GW - 308

GENERAL CORRESPONDENCE

YEAR(S):

2006 - 1995

Environmental Department
188 County Road 4900
Bloomfield, NM 87413
505/632-4625
505/632-4781 Fax

November 7, 2007

Mr. Leonard Lowe
Oil Conservation Division, EMNRD
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Update to Williams Four Corners, LLC OCD Discharge Plans

Dear Mr. Lowe,

Williams Four Corners, LLC (Williams) would like to update the "Description of Final Disposition" for wastes generated at its facilities, and to include clarification of sources of waste streams not previously specified in its existing OCD Discharge Plans. These items are discussed in Table 1, "Storage and Disposal of Process Fluids, Effluent and Waste Solids", and Table 2, "Source, Quantity, and Quality of Effluent and Waste Solids", in each of Williams' current facility-specific OCD Discharge Plans. (Note that in older plans, these table numbers are reversed).

More specifically, the updates to Table 1 include replacing language that stated waste would be disposed at a "NMOCD-approved" or simply "approved" disposal facility with text that states waste will be disposed at "any state, federal, or tribal agency to receive industrial solid waste. Any waste that is determined to be hazardous as defined by 40 CFR 260-265 will be disposed only at a facility permitted to accept such hazardous waste." Recently, Williams has had some difficulty using NMED-approved disposal sites due to the current language.

Updates to Table 2 include expanding the "Source" of "Used Process Filters" to include amine filters, charcoal, activated carbon, and molecular sieve in addition to the air, inlet, fuel, fuel gas and glycol filters typically included in the Discharge Plans. Additionally, the "Source" of "Condensate and/or Produced Water" has been expanded to include the inlet scrubber, gas inlet separator, and dehydrators. These changes are included for clarification purposes only and provide a more descriptive list of waste that may be generated at the facilities. All of the items listed are related to existing processes at the facilities.

Please see the attached Table 1 and Table 2, from the recent OCD Discharge Plan renewal application for Williams' Rosa Compressor Station, for an example of how the updates apply at a typical Williams' facility. The updated information is indicated by bold text. We will update this information in each OCD Discharge Plan as it comes up for renewal. In the meantime, we request that the updates described herein are effective immediately for the sites listed below upon your receipt of this letter.

Five Points (GW-078)
29-6#2 (GW-121)
29-6#3 (GW-198)
29-6#4 (GS-122)
30-5 (GW-108)
31-6 (GW-118)
32-7 (GW-117)
32-8#2 (GW-111)
32-8#3 (GW-116)
32-9 (GW-091)
Aztec (GW-155)
Blanco (GW-327)
Cabresto (GW-352)
Carracas (GW-112)
Cedar Hill (GW-087)
Chaco (GW-331)
Coyote (GW-250)
Crouch Mesa (GW-129)
Culpepper (GW-353)
Decker Junction (GW-134)
Dogie (GW-330)
El Cedro (GW-149)
Glade (GW-321)
Hare (GW-343)
Honolulu (GW-315)
Horse Canyon (GW-061)
Horton (GW-323)
Kernaghan (GW-271)
La Cosa (GW-187)
Laguna Seca (GW-307)
La Jara (GW-223)
Lateral N-30 (GW-256)
Lawson Straddle (GW-322)
Lybrook (GW-047)
Manzanares (GW-062)
Martinez (GW-308)
Middle Mesa (GW-064)
Milagro (GW-060)
Navajo (GW-182)
North Crandell (GW-310)
Pipkin (GW-120)
Pritchard (GW-274)
Pump Mesa (GW-063)
Quintana Mesa (GW-309)
Richardson (GW-320)
Sims Mesa (GW-068)
Snowshoe (GW-287)
Thompson (GW-328)
Trunk A (GW-248)
Trunk B (GW-249)
Trunk C (GW-257)
Trunk L (GW-180)
Trunk M (GW-181)
Trunk N (GW-306)
Wildhorse (GW-079)

These updates are not significant and do not pose a hazard to public health or undue risk to property. These facilities do not discharge wastewater to surface or subsurface waters. All wastes generated at these facilities are temporarily stored in tanks or containers.

Respectfully submitted,

David Bays
Senior Environmental Specialist

Attachment

Table 1
Transfer, Storage and Disposal of Process Fluids, Effluent and Waste Solids

PROCESS FLUID/WASTE	STORAGE	STORAGE CAPACITY (approximate)	CONTAINMENT/ SPILL PREVENTION	RCRA STATUS	DESCRIPTION OF FINAL DISPOSITION
Used Oil	Above Ground Storage Tank	500 gal*	Berm or concrete pad and wastewater system	Non-exempt	May be hauled to a Williams or contractor consolidation point before transport to EPA-registered used oil marketer for recycling.
Produced Water/Natural Gas Condensate	Above Ground Storage Tank	300 bbl 120 bbl 40 bbl	Berms	Exempt	Saleable liquids may be sold to refinery. The remaining liquids may be transported to a Williams' evaporation facility or may be disposed at **any facility permitted by any state, federal, or tribal agency to receive industrial solid waste. Any waste that is determined to be hazardous as defined by 40 CFR 260-265 will be disposed only at a facility permitted to accept such hazardous waste.**
Wash-down Water	Below Grade Sump, vaulted	70 bbl 45 bbl	Dual-walled tanks	Non-exempt	Contractor may pump wash water back into truck after washing; water may be transported to **any facility permitted by any state, federal, or tribal agency to receive industrial solid waste**; or evaporation at Williams' facility may be considered. **Any waste that is determined to be hazardous as defined by 40 CFR 260-265 will be disposed only at a facility permitted to accept such waste.**
Used Oil Filters	Drum or other container	Varies	Transported in drum or other container	Non-exempt	Transported to a Williams or contractor consolidation point, drained, and ultimately transported for disposal at any facility permitted by **any state, federal, or tribal agency to receive industrial solid waste. Any waste that is determined to be hazardous as defined by 40 CFR 260-265 will be disposed only at a facility permitted to accept such hazardous waste.** A Waste Acceptance Profile will be filed with the disposal facility as necessary. Recycling options may be considered when available.
Used Process Filters	Drum or other container	Varies	Transported in drum or other container	Exempt	Transported to a Williams or contractor consolidation point, drained, and ultimately transported for disposal at **any facility permitted by any state, federal, or tribal agency to receive industrial solid waste. Any waste that is determined to be hazardous as defined by 40 CFR 260-265 will be disposed only at a facility permitted to accept such hazardous waste.** A Waste Acceptance Profile will be filed with the disposal facility as necessary. Recycling options may be considered when available.
Spill Residue (e.g., soil, gravel, etc.)	N/A	N/A	In situ treatment, land-farm, or alternate method	Incident dependent	Per Section VI, Remediation, in 8/13/93 NMOCD Guidelines for Remediation of Leaks, Spills, and Releases.
Used Absorbents	Drum or other container	Varies	Transported in drum or other container	Non-exempt	Transported to a Williams or contractor consolidation point, drained, and ultimately transported for disposal at **any facility permitted by any state, federal, or tribal agency to receive industrial solid waste. Any waste that is determined to be hazardous as defined by 40 CFR 260-265 will be disposed only at a facility permitted to accept such hazardous waste**. A Waste Acceptance Profile will be filed with the disposal facility as necessary. Recycling options may be considered when available.
Empty Drums / Containers	N/A	N/A	Berm	Non - exempt	Barrels are returned to supplier or transported to a Williams or contractor consolidation point and ultimately recycled/disposed consistent with applicable regulations.
Antifreeze	Above Ground Storage Tank		Berm or concrete pad and wastewater system	N/A	Off-spec material recycled or disposed consistent with applicable regulations.
Glycol	Above Ground Storage Tank	500 gal* 125 gal* 100 gal*	Berm or concrete pad and wastewater system	N/A	Off-spec material recycled or disposed consistent with applicable regulations.
Lube Oil	Above Ground Storage Tank	500 gal*	Berm or concrete pad and wastewater system	N/A	Off-spec material recycled or disposed consistent with applicable regulations.

*Number of tanks installed dependent on number of engines and dehydrators installed on site. Engines and dehydrators are installed or removed to meet demand.

Table 2
Source, Quantity, and Quality of Effluent and Waste Solids

PROCESS FLUID / WASTE	SOURCE	QUANTITY (Ranges)	QUALITY
Produced Water/Natural Gas Condensate	**Inlet Scrubber, Gas Inlet Separator, Dehydrators**	2000-8000 bbl/year	No Additives
Waste Water /Wash Down Water	Compressor and Dehy Skids	100-5000 gal/year/unit	Biodegradable soap and tap water with traces of used oil
Used Oil	Compressors	500-2000 gal/year/engine	Used Motor Oil w/ No Additives
Used Oil Filters	Compressors	50-500/year/engine	No Additives
Used Process Filters	**Charcoal, Activated Carbon, Molecular Sieve**	**50-500 cubic yd/yr**	**No Additives**
Used Process Filters	**Air, Inlet, Fuel, Fuel Gas, Glycol, Amine, Ambitrol**	75-500/year	No Additives
Empty Drums/Containers	Liquid Containers	0-80/year	No Additives
Spill Residue (i.e. soil, gravel, etc)	Incidental Spill	Incident Dependent	Incident Dependent
Used Adsorbents	Incidental Spill/Leak Equipment Wipe-down	Incident Dependent	No Additives

2006 AUG 23 AM 11 44

Environmental Department
188 County Road 4900
Bloomfield, NM 87413
505/632-4606
505/632-4781 Fax

August 22, 2006

Mr. Wayne Price
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Change of Company Name

Dear Mr. Price;

In accordance with Conditions of Discharge Plan Approval attached to each discharge plan approved by the New Mexico Oil Conservation Division, we hereby provide notice of a change of ownership for the Williams facilities identified in the attached table to Williams Four Corners, LLC.

As a corporate strategy, Williams has created regional limited liability corporations for our assets. So, although a new corporation has been created, Williams Four Corners LLC is still a wholly-owned unit of Williams, and there is no change of corporate ownership for these facilities. Williams will continue to comply with the terms and conditions of all approved discharge plans. All other administrative items (responsible official, environmental contacts, mailing addresses, etc.) remain unchanged.

If you have any questions, please call David Bays, Senior Environmental Specialist, at (505) 632-4951 or Ingrid Deklau of Cirrus Consulting at (801) 583-3107.

Sincerely,

David Bays

David Bays
Senior Environmental Specialist

Attachments

xc: Clara Cardoza
Monica Sandoval
WFS FCA file 210

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 1-20-04,

or cash received on _____ in the amount of $ 1700-

from Williams Field Services

for Martinez Draw CS (Facility Name) GW-308 (DP No.)

Submitted by: _____ Date: 1-30-04

Submitted to ASD by: _____ Date: _____

Received in ASD by: _____ Date: _____

Filing Fee ___ New Facility ___ Renewal ✓

Modification ___ Other _____ (specify)

Organization Code 521.07 Applicable FY 2001

To be deposited in the Water Quality Management Fund.

Full Payment ✓ or Annual Increment ___

THIS MULTI-TONE AREA OF THE DOCUMENT CHANGES COLOR GRADUALLY AND EVENLY FROM DARK TO LIGHT WITH DARKER AREAS BOTH TOP AND BOTTOM. IT ALSO HAS A REFLECTIVE WATERMARK ON THE BACK.

Williams

WILLIAMS FIELD SERVICES COMPANY
P. O. Box 21218 * Tulsa, OK 74121-1218

70-2122/719
A/C 9401167

[redacted]

DATE 01/20/2004

PAY TO THE ORDER OF

PAY ******$1,700.00

WATER MANAGEMENT QUALITY MANAGEMENT FUND
C/O OIL CONSERVATION DIV
1220 S ST FRANCIS DR

SANTA FE NM 87505

Authorized Signer

Bank One, NA
Illinois

[redacted]

INVOICE NUMBER	INVOICE DATE	BATCH NAME	INVOICE DESCRIPTION	NET AMOUNT
GW308	20031029	IMAGING-PATH-19-JAN-04	PERMIT	1,700.00

CHECK NUMBER	PAY DATE	SUPPLIER NUMBER	SUPPLIER NAME	TOTAL AMOUNT
[redacted]	01/20/2004	94141	WATER MANAGEMENT QUALITY MANAGEMENT FUND	$1,700.00

MA1353(CORPAP001) (AP)

Environmental Affairs
188 CR 4900
Bloomfield, NM 87413
505/632-4606
505/632-4781 Fax

January 29, 2004

Mr. Jack Ford
New Mexico Oil Conservation Division
Water Quality Management Fund
2040 South Pacheco
Santa Fe NM 87505

Re: Discharge Plan GW-307, -308, -309, -310

Dear Mr. Ford:

Enclosed please find the signed copy of the discharge plan conditions for the Williams Field Services (WFS) Laguna Seca, Martinez Draw, Quintana Mesa and North Crandell Compressor Stations. Also included are checks 3500028332, 3500028333, 3500028334 and 3500028334 to cover the flat fee required by the approval conditions.

Williams Field Services appreciates your assistance in handling these approvals and processing the fees. If you have any questions or require additional information, please contact me at 505/632/4606.

Thank you,

Clara M. Garcia
Environmental Compliance

enclosures

Xc: Denny Foust, Aztec, OCD Dist III (without attachments)

THE SANTA FE
NEW MEXICAN
Founded 1849

RECEIVED

DEC 0 2 2003

OIL CONSERVATION DIVISION

NM OIL CONSERVATION D
1220 ST. FRANCIS DR
ATT MARY ANAYA
SANTA FE NM 87505

ALTERNATE ACCOUNT: 56689
AD NUMBER: 00039982 ACCOUNT: 00002212
LEGAL NO: 74386 P.O. #: 04-199-050340
433 LINES 1 TIME(S) 296.56
AFFIDAVIT: 5.25
TAX: 20.19
TOTAL: 322.00

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, B. Perner, being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication # 74386 a copy of which is hereto attached was published in said newspaper 1 day(s) between 12/01/2003 and 12/01/2003 and that the notice was published in the newspaper proper and not in any supplement; the first date of publication being on the 1st day of December, 2003 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ B. Perner
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 1st day of December, 2003

Notary Laura E. Harding

Commission Expires: 11/23/07

NOTICE OF PUBLICATION STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge permit application(s) has been submitted to the Director of the Oil Conservation Division, 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-151) – El Paso Natural Gas Company, Robert H. St. John, Principal Environmental Scientist, (432) 686-3268, 3300 North "A" Building Two, Suite 200, Midland, TX 79705, has submitted its discharge permit renewal application for its Eunice B Compressor Station located in the NW/4 NW/4 of Section 5, Township 21 South, Range 36 East, NMPM, Lea County, New Mexico. Approximately 50 gallons per day of wastewater will be stored in above-ground, steel tanks prior to disposal at an OCD-approved offsite disposal facility. Groundwater most likely to be affected in the event of an accidental discharge is at an estimated depth of approximately 160 feet with a total dissolved solids concentration of approximately 1,000 mg/l. The discharge permit addresses how oil field products and waste will be properly handled, stored, and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water.

(GW-353) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge permit renewal application for the Williams Field Services Culpepper Compressor Station located in the NE/4 NE/4 of Section 1, Township 31 North, Range 13 West, NMPM, San Juan County, New Mexico. Approximately 500 to 1,500 barrels per year of processed water is stored in an above ground double-walled fiberglass storage tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the produced water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 50 to 200 feet with estimated total dissolved solids concentration ranging from approximately 200 mg/l to 2000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-310) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge permit renewal application for the Williams Field Services North Crandall Compressor Station located in the SW/4 NE/4 of Section 2, Township 30 North, Range 11 West, NMPM, San Juan County, New Mexico. Approximately 500 to 2,000 barrels per year of processed water is stored in an above ground double-walled fiberglass storage tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the produced water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 7 to 20 feet with estimated total dissolved solids concentration ranging from approximately 397 mg/l to 987 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-307) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge permit renewal application for the Williams Field Services Laguna Seca Compressor Station located in the SW/4 of Section 19, Township 31 North, Range 5 West, NMPM, Rio Arriba County, New Mexico. Approximately 2000 to 9000 barrels per year of produced and waste water is stored in an above ground storage tank prior to transport to an approved Williams Field Services evaporation facility or an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the produced water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 100 to 400 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-308) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge permit renewal application for the Williams Field Services Martinez Draw Compressor Station located in the NE/4 NE/4 of Section 17, Township 31 North, Range 5 West, NMPM, Rio Arriba County, New Mexico. Approximately 2800 gallons per year of processed water is stored in a below ground double-walled fiberglass storage tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the produced water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 100 to 600 feet with estimated total dissolved solids concentration ranging from approximately 335 mg/l to 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-309) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge permit renewal application for the Williams Field Services Quintana Mesa Compressor Station located in the SE/4 SW/4 of Section 32, Township 32 North, Range 5 West, NMPM, Rio Arriba County, New Mexico. Approximately 2800 gallons per year of processed water is stored in a below ground double-walled fiberglass storage tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the produced water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 100 to 600 feet with estimated total dissolved solids concentration ranging from approximately 335 mg/l to 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-115) - Halliburton Energy Services, Saul Medina, (505) 392-0701, 2311 South First Street, Artesia, New Mexico 88210, has submitted a discharge application for the Halliburton Service facility located in Section 28, Township 17 South, Range 26 East, NMPM, Eddy County, New Mexico. Approximately 3,500 gallons per day of wastewater is collected in the truck wash rack and floor sump then discharged into the City of Artesia Sewage Treatment System (POTW). Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 25 feet with a total dissolved solids concentration ranging from 1200 mg/l to 3500 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge permit application and draft discharge permit may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. The draft discharge permit may also be viewed at OCD's web site http://www.emnrd.state.nm.us/ocd/. Prior to ruling on any proposed discharge permit or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed permit based on information available. If a public hearing is held, the director will approve or disapprove the proposed permit based on information in the permit and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 18th day of November 2003.

STATE OF
NEW MEXICO
OIL CONSERVATION
DIVISION

S E A L
LORI WROTENBERY,
Director

Legal #74388
Pub. December 1, 2003

STATE OF NEW MEXICO
County of San Juan:

CONNIE PRUITT, being duly sworn says: That she is the CLASSIFIED MANAGER of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication and appeared on the Internet at The Daily Times web site on the following day(s):

Sunday, November 30, 2003.

And the cost of the publication is $146.24.

Connie Pruitt

ON 12-4-03 CONNIE PRUITT appeared before me, whom I know personally to be the person who signed the above document.

Jimmy Beck

My Commission Expires April 2, 2004.

COPY OF PUBLICATION

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge permit application(s) has been submitted to the Director of the Oil Conservation Division, 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-353) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge permit renewal application for the Williams Field Services Culpepper Compressor Station located in the NE/4 NE/4 of Section 1, Township 31 North, Range 13 West, NMPM, San Juan County, New Mexico. Approximately 500 to 1,500 barrels per year of processed water is stored in an above ground double-walled fiberglass storage tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the produced water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 50 to 200 feet with estimated total dissolved solids concentration ranging from approximately 200 mg/l to 2000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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(GW-308) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge permit renewal application for the Williams Field Services Martinez Draw Compressor Station located in the NE/4 NE/4 of Section 17, Township 31 North, Range 5 West, NMPM, Rio Arriba County, New Mexico. Approximately 2800 gallons per year of processed water is stored in a below ground double-walled fiberglass storage tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the produced water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 100 to 600 feet with estimated total dissolved solids concentration ranging from approximately 335 mg/l to 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-309) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge permit renewal application for the Williams Field Services Quintana Mesa Compressor Station located in the SE/4 SW/4 of Section 32, Township 32 North, Range 5 West, NMPM, Rio Arriba County, New Mexico. Approximately 2800 gallons per year of processed water is stored in a below ground double-walled fiberglass storage tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the produced water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 100 to 600 feet with estimated total dissolved solids concentration ranging from approximately 335 mg/l to 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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NOTICE OF PUBLICATION STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

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(GW-151) - El Paso Natural Gas Company, Robert H. St. John, Principal Environmental Scientist, (432) 686-3268, 3300 North "A" Building Two, Suite 200, Midland, TX 79705, has submitted its discharge permit renewal application for its Eunice B Compressor Station located in the NW/4 NW/4 of Section 5, Range 36 East, NMPM, Lea County, New Mexico. Approximately 50 gallons per day of wastewater will be stored in aboveground, steel tanks prior to disposal at an OCD-approved offsite disposal facility. Groundwater most likely to be affected in the event of an accidental discharge is at an estimated depth of approximately 160 feet with a total dissolved solids concentration of approximately 1,000 mg/l. The discharge permit addresses how oil field products and waste will be properly handled, stored, and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water.

(GW-353) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge permit renewal application for the Williams Field Services Culpepper Compressor Station located in the NE/4 NE/4 of Section 1, Township 31 North, Range 13 West, NMPM, San Juan County, New Mexico. Approximately 500 to 1,500 barrels per year of processed water is stored in an above ground double-walled fiberglass storage tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the produced water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 50 to 200 feet with estimated total dissolved solids concentration ranging from approximately 200 mg/l to 2000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-310) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge permit renewal application for the Williams Field Services North Crandall Compressor Station located in the SW/4 NE/4 of Section 2, Township 30 North, Range 11 West, NMPM, San Juan County, New Mexico. Approximately 500 to 2,000 barrels per year of processed water is stored in an above ground double-walled fiberglass storage tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the produced water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 7 to 20 feet with estimated total dissolved solids concentration ranging from approximately 397 mg/l to 987 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-307) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge permit renewal application for the Williams Field Services Laguna Seca Compressor Station located in the SW/4 of Section 19, Township 31 North, Rio Arriba County, New Mexico. Approximately 2000 to 9000 barrels per year of produced and waste water is stored in an above ground storage tank prior to transport to an approved Williams Field Services evaporation facility or an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the produced water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 100 to 400 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-308) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge permit renewal application for the Williams Field Services Martinez Draw Compressor Station located in the NE/4 NE/4 of Section 17, Township 31 North, Range 5 West, NMPM, Rio Arriba County, New Mexico. Approximately 2800 gallons per year of processed water is stored in a below ground double-walled fiberglass storage tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the produced water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 100 to 600 feet with estimated total dissolved solids concentration ranging from approximately 335 mg/l to 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-309) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge permit renewal application for the Williams Field Services Quintana Mesa Compressor Station located in the SE/4 SW/4 of Section 32, Township 32 North, Range 5 West, NMPM, Rio Arriba County, New Mexico. Approximately 2800 gallons per year of processed water is stored in a below ground double-walled fiberglass storage tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the produced water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of approximately 600 feet with estimated total dissolved solids concentration ranging from approximately 335 mg/l to 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-115) - Halliburton Energy Services, Saul Medina, (505) 392-0701, 2311 South First Street, Artesia, New Mexico 88210, has submitted a discharge application for the Halliburton Service facility located in Section 28, Township 17 South, Range 26 County, New Mexico. Approximately 3,500 gallons per day of wastewater is collected in the truck wash rack and floor sump then discharged into the City of Artesia Sewage Treatment System (POTW). Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 25 feet with a total dissolved solids concentration ranging from 1200 mg/l to 3500 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge permit application and draft discharge permit may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. The draft discharge permit may also be viewed at OCD's web site http://www.emnrd.state.nm.us/ocd/. Prior to ruling on any proposed discharge permit or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed permit based on information in the permit and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 18th day of November 2003.

STATE OF
NEW MEXICO
OIL CONSERVATION
DIVISION

S E A L
LORI WROTENBERY,
Director

Legal #74389
Pub. December 1, 2003

GW-308

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 9/23/03,

or cash received on _____ in the amount of $ 400 —

from Williams Field Services

for See attached
(Facility Name) (OP No.)

Submitted by: _____ Date: 10-22-03

Submitted to ASD by: _____ Date: _____

Received in ASD by: _____ Date: _____

Filing Fee ✓ New Facility ___ Renewal ✓

Modification ___ Other _____
(specify)

Organization Code 521.07 Applicable FY 2001

To be deposited in the Water Quality Management Fund.

Full Payment ✓ or Annual Increment ___

THIS MULTI-TONE AREA OF THE DOCUMENT CHANGES COLOR GRADUALLY AND EVENLY FROM DARK TO LIGHT WITH DARKER AREAS BOTH TOP AND BOTTOM. IT ALSO HAS A REFLECTIVE WATERMARK ON THE BACK.

Williams

WILLIAMS FIELD SERVICES COMPANY
P.O. Box 21218 * Tulsa, OK 74121-1218

70-2132/319
A/C 9401167

[redacted]

DATE 09/25/2003

PAY TO THE ORDER OF

PAY ********$400.00

NEW MEXICO OIL CONSERVATION DIV
WATER QUALITY MANAGEMENT FUND
2040 S PACHECO

SANTA FE NM 87505
United States

Bank One, NA
Illinois

Authorized Signer

[redacted]

Environmental Affairs
188 CR 4900
Bloomfield, NM 87413
505/632-4606
505/632-4781 Fax

October 21, 2003

Mr. Jack Ford
New Mexico Oil Conservation Division
Water Quality Management Fund
1220 S St. Francis Dr.
Santa Fe NM 87505

Re: Discharge Plan GW-307, 308, 309 and 310 Application Renewal and Filing Fee

Dear Mr. Ford:

Enclosed please find copies of Discharge Plan application renewal and check number 3500018517 for $400.00 to cover the filling fee for the following Williams Field Services (WFS) Compressor Stations:

- Laguna Seca CS (GW-307)
- Martinez Draw CS (GW-308)
- North Crandall CS (GW-310)
- Quintana Mesa CS (GW-309)

Williams Field Services appreciates your assistance in handling these applications and fees. If you have any questions or require additional information, please contact me at 505/632/4606.

Thank you,

Clara M Garcia
Environmental Compliance

Xc: Denny Foust, Aztec, OCD Dist III

Work copy

	SITE NAME		DISCHARGE PLAN #	CURRENT OCD PLAN # of Units/ HP	ACTUAL INSTALLS # of Units/ HP	AQB PERMITTED # of Units/ HP	
	Category 1 - Update OCD Plans for actual compression; AQB permit allows additional installations						
OK	31-6 #1	X	GW-118	6 units/990 HP ea 5+4	15 units/1370 HP ea	16 units/1370 HP ea	Notice of addi. 9 units 7-97. No mod. app.
No Mod. request → OK	32-7 #1	X	GW-117	4 units/895 HP ea ok	6 units/1357 HP ea	8 units/1357 HP ea	
No Mod. → Ok request	32-8 #2	X	GW-111	4 units/895 HP ea 4+2	5 units/1357 HP ea	9 units/1357HP ea	Notice on renewal
OK	HORSE CYN. CDP	ok	GW-61	4 units/895 HP ea 14	6 units/1390 HP ea	14 units/1390 HP ea	
OK	MIDDLE MESA CDP	X	GW-64	10 units/895 HP ea 10+4	19 units/1362 HP ea	20 units/1362 HP ea	(mod. to 14 units '96
OK	PUMP MESA CDP	ok	GW-63	6 units/895 HP ea 6+6	10 units/1363 HP ea	14 units/1363 HP ea	(14 units in renewal appl.
OK	TRUNK N C.S.	ok	GW-306	5 units/1140 HP ea	6 units/1140 HP ea	8 units/1368 HP ea	(6 units in appl. '95)
No Mod. request OK	TRUNK L C.S.	X	GW-180	6 units/990 HP ea	10 units/990 HP ea	14 units/1131 HP ea	(up to 8 units in renewal appl. '98)
	Category 2 - OCD Plan currently reflects all AQB permitted units; however, all units not yet installed						
	29-6 #4CDP		GW-122	10 units; total site HP 10,980 4+3	6 units/1377 HP ea.; 1 unit/1148 HP	9 units/1377 HP ea.; 1 unit/1148 HP	
	32-9 CDP		GW-91	8 units/1379 HP ea	5 units/1379 HP ea	8 units/1379 HP ea	
OK	CEDAR HILL CDP		GW-87	10 units/1386 HP ea OK 5+1	7 units/1386 HP ea	10 units/1386 HP ea	OK
	KERNAGHAN B-8 STRADDLE		GW-272	2 units/764 HP ea	1 unit/764 HP	2 units/764 HP ea	
	MANZANARES CDP		GW-62	4 units/895 HP ea	3 units/895 HP ea	4 units/1300 HP ea	
	MOORE STRADDLE		GW-273	2 units/ 778 HP ea	1 unit/ 778 hp	2 units/ 778 hp ea	
	NAVAJO CDP		GW-182	4 units/2946 HP ea	3 units/2916 HP ea	4 units/2916 HP ea	
	TRUNK A BOOSTER C.S.		GW-248	6 units/1367 HP ea	3 units/1367 HP ea	6 units/1369 HP ea	
	TRUNK B BOOSTER C.S.		GW-249	7 units/1367 HP ea	3 units/1367 HP ea	7 units/1367 HP ea	
	MARTINEZ DRAW		GW-308	2 units/1380 HP ea	1 unit/1380 HP	2 units/1232 HP ea	
	QUINTANA MESA		GW-309	2 units/1380 HP& 1151 HP	1 unit/1232 HP	2 units/1232 HP& 1118 HP	
	Category 3 - Update OCD Plans for actual compression; all AQB permitted units installed						
	29-6 #2CDP	X	GW-121	5 units/895 HP ea. 5+2	12 units/1370 HP ea.	12 units/1370 HP ea.	
	ROSA #1 CDP	X	GW-292	1 unit/1372 HP	2 unit/1372 HP	2 units/1371 HP ea	
	TRUNK M C.S.	X	GW-181	1 unit/990 HP	2 units/1378 HP ea	2 units/1378 HP ea	
	PIPKIN		GW-120	2 units/856 HP total	1 unit/1403 HP	1 unit/1403 HP	-change hp rating
	LA JARA FIELD	X	GW-233	1 Solar T-3000/ 2831 hp; 2 Solar T-4000/ 2897 hp ea.	2 Solar T-4000, 2 Solar T-4700S, 1 Solar T-4700=total 17,700 hp	2 Solar T-4000, 2 Solar T-4700S, 1 Solar T-4700=total 17,700 hp	

Williams

295 Chipeta Way
P.O. Box 58900
Salt Lake City, UT 84108
801/584-6543
801/584-7760

September 29, 1999

Mr. Jack Ford
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Re: Underground Line Testing Results at various Williams Field Services Facilities

Dear Mr. Ford:

Enclosed, please find a copy of the underground line testing that was performed at the Williams Field Services (WFS) facilities listed below.

Laguna Seca (GW-307), 10/15/98
Martinez Draw (GW-308), 10/16/98
Quintana Mesa (GW-309), 11/12/98
31-6 CDP (GW-118), 11/24/98

If you have any questions concerning this submittal, please call me at 801-584-6543.

Sincerely,

Ingrid Deklau
Environmental Specialist

XC: Denny Foust, NM OCD

DAILY WORK RECORD

Form 910-1218 Rev. 7/98

Williams.

Primary Contract ☐ Approved Change Order ☒ No. 2KK-C015-97 Claimed Extra Work Not Approved ☐		Work Order Number 141364
Contractor POI		Contract Number 7C200
Project Martinez Draw		Date Worked 10-11-98
Description of Work: Air Test Utilities [illegible]		

LABOR

NAME	OCCUP.	RATE	OT/RT	AMOUNT	NAME	OCCUP.	RATE	OT/RT	AMOUNT
Mike Jordan	Supt		2						
POI Ticket # 21179									
Sunland Ticket # 3056									
	3055								
					UNION BENEFITS				
					Welders	Hours			
					Operators	Hours			
					Teamsters	Hours			
					Laborers	Hours			
					Total Labor				
					Add	%Fee			
					Total				

EQUIPMENT

DESCRIPTION	RATE	HOURS	AMOUNT	DESCRIPTION	RATE	HOURS	AMOUNT
1 4x4 P.U.		10					
POI Ticket # 21179							
Sunland Ticket # 3056							
	3055						
				Total Equipment			

MATERIALS AND SUPPLIES

DESCRIPTION	PRICE	QUAN	AMOUNT	DESCRIPTION	PRICE	QUAN	AMOUNT
Redman Ticket # 5100							
				% Handling Charge			
				Total Material & Supplies			

☒ Approve ☐ Disapprove

TOTAL COST THIS DATE $ ____

Reason for Disapproval: ____

Contractor By [signature] Date 10-11-98

Northwest Pipeline Corporation By [signature] Date 10-16-98

DISTRIBUTION: 1—WHITE—Contractor to Accompany Invoice 2—CANARY—Project Responsibility/SLC 3—PINK—Contractor 4—GOLDENROD—Field Construction Office

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

September 22, 1999

CERTIFIED MAIL
RETURN RECEIPT NO. Z 274 520 504

Ingrid Deklau
Environmental Specialist
Williams Field Services
P.O. Box 58900
Salt Lake City, UT 84108

Re: Discharge Plans GW-307, 308, and 309

Dear Ms. Deklau:

The New Mexico Oil Conservation Division (NMOCD) approved the above captioned sites on January 20, 1999. Please note these approvals are for a period of five years. The NMOCD inadvertently indicated in the approval letters that these discharge plans will expire on January 19, 2005. This was in error, the discharge plans will expire on January 19, 2004.

If you require any further information or assistance please do not hesitate to write or call me at (505-827-7155).

Sincerely Yours,

Wayne Price-Pet. Engr. Spec.
Environmental Bureau

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 1/27/99,

or cash received on _____ in the amount of $ 2760.00

from WILLIAMS FIELD SERVICES CO.

for NO. CRANDALL COMP ST GW-310 / LA GUNA SECA GW-307
MARTINEZ DRAW COMP ST GW-308 / QUINTANA MESA GW-309

Submitted by: (Facility Name) R. Wayne Price - NMOCD. Date: (DP No.) 2/2/99

Submitted to ASD by: R C Anderson Date: 2/2/99

Received in ASD by: _____ Date: _____

Filing Fee ____ New Facility ____ Renewal ____

Modification ____ Other _____ (specify)

Organization Code 521.07 Applicable FY 99

To be deposited in the Water Quality Management Fund.

Full Payment ____ or Annual Increment ____

Williams

Williams Field Services Company
P. O. Box 58900
Salt Lake City, Utah 84158-0900

Chase Manhattan Bank Delaware
1201 Market Street
Wilmington DE 19801

62-26
311

5736-09

DATE	CHECK NO.	NET AMOUNT
01/27/99	[redacted]	2760.00

PAY
TWO THOUSAND SEVEN HUNDRED SIXTY AND 00/100----------

TO THE ORDER OF
NEW MEXICO OIL CONSERVATION DI
NM WATER QUALITY MGMT FUND
2040 SOUTH PACHECO
SANTA FE NM 87504

Mary Jane Bittick
TREASURER

[redacted]

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 1/27/99,

or cash received on ______________ in the amount of $ 2760.00

from WILLIAMS FIELD SERVICES CO.

for NO. CRANDALL COMP ST GW-310 / LA GUNA SECA GW-307 / MARTINEZ DRAW COMP ST GW-308 / QUINTANA MESA GW-309
(Facility Name) (DP No.)

Submitted by: — NMOCD Date: 2/2/99

Submitted to ASD by: Date: 2/2/99

Received in ASD by: ______________ Date: ______________

Filing Fee ____ New Facility ____ Renewal ____

Modification ____ Other ______________
(specify)

Organization Code 521.07 Applicable FY 99

To be deposited in the Water Quality Management Fund.

Full Payment ____ or Annual Increment ____

Williams.

Williams Field Services Company
P. O. Box 58900
Salt Lake City, Utah 84158-0900

Chase Manhattan Bank Delaware
1201 Market Street
Wilmington DE 19801

62-26 / 311 5736-09

DATE	CHECK NO.	NET AMOUNT
01/27/99	[redacted]	2760.00

PAY
TWO THOUSAND SEVEN HUNDRED SIXTY AND 00/100------------------------------

TO THE ORDER OF

NEW MEXICO OIL CONSERVATION DI
NM WATER QUALITY MGMT FUND
2040 SOUTH PACHECO
SANTA FE NM 87504

Mary Jane Bittick
TREASURER

[redacted]

GW-307, 308, 309, & 310

Williams Field Services Company

4341 NEW MEXICO OIL CONSERVATION DI [redacted] 01/27/99

INVOICE NUMBER	DESCRIPTION	INVOICE DATE	AMOUNT	DISCOUNT	NET AMOUNT
012699	NO. CRANDALL COMP.	01/19/99	690.00	0.00	690.00
012699A	LAGUNA SECA COMPRE	01/20/99	690.00	0.00	690.00
012699B	MARTINEZ DRAW COMP	01/20/99	690.00	0.00	690.00
012699C	QUINTANA MESA COMP	01/20/99	690.00	0.00	690.00
			2760.00	0.00	2760.00

PLEASE DETACH BEFORE DEPOSITING

The Santa Fe New Mexican
Since 1849. We Read You.

NM OCD
ATTN: SALLY MARTINEZ
2040 S. PACHECO ST.
SANTA FE, NM 87505

AD NUMBER: 48624 ACCOUNT: 56689
LEGAL NO: 64217 P.O.#: 9819900257
314 LINES 1 time(s) at $ 117.55
AFFIDAVITS: 5.25
TAX: 7.68
TOTAL: 130.48

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

RECEIVED
OCT - 6 1998
OIL CONSERVATION DIVISION

I, B. Penner being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTE FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication #64217 a copy of which is hereto attached was published in said newspaper 1 day(s) between 09/30/1998 and 09/30/1998 and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 30 day of September, 1998 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ Betsy Penner
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 30 day of September A.D., 1998

Notary B Mathie

Commission Expires 3-13-2001

OFFICIAL SEAL
B MATHIE
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires

NOTICE OF PUBLICATION

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan application(s) have been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(GW-155) - Williams Field Services, Ingrid A. Deklau, (801) 584-6543, P.O. Box 58900, Salt Lake City, Utah 84158-0900, has submitted a discharge plan renewal application for the Aztec CDP Compressor Station located in the SW/4 SW/4 of Section 8, Township 32 North, Range 10 West, NMPM, San Juan County, New Mexico. Approximately 200 barrels per week of processed water is collected in a fiberglass storage tank then transported offsite for disposal. Ground water most likely to be affected in the event of an accidental discharge is at an estimated depth of approximately 380 feet with a total dissolved solids concentration of approximately 3,150 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-307) - Williams Field Services, Ingrid A. Deklau, (801) 584-6543, P.O. Box 58900, Salt Lake City, Utah 84158-0900, has submitted a discharge plan application for the Laguna Seca Compressor Station located in the SW/4 of Section 19, Township 31 North, Range 5 West, NMPM, Rio Arriba County, New Mexico. Approximately 2800 gallons per year of processed water is collected in a below-grade double-walled fiberglass storage tank then transported offsite for disposal. Ground water most likely to be affected in the event of an accidental discharge is estimated to range from 100 feet to 600 feet below ground surface with a total dissolved solids concentration ranging from approximately 335 mg/l to 2000 mg/l respectively. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-308) - Williams Field Services, Ingrid A. Deklau, (801) 584-6543, P.O. Box 58900, Salt Lake City, Utah 84158-0900, has submitted a discharge plan application for the Martinez Draw Compressor Station located in the NW/4 NE/4 of Section 17, Township 31 North, Range 5 West, NMPM, Rio Arriba County, New Mexico. Approximately 2800 gallons per year of processed water is collected in a below-grade double-walled fiberglass storage tank then transported offsite for disposal. Ground water most likely to be affected in the event of an accidental discharge is estimated to range from 100 feet to 600 feet below ground surface with a total dissolved solids concentration ranging from approximately 335 mg/l to 2000 mg/l respectively. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-309) - Williams Field Services, Ingrid A. Deklau, (801) 584-6543, P.O. Box 58900, Salt Lake City, Utah 84158-0900, has submitted a discharge plan application for the Quintana Mesa Compressor Station located in the SE/4 SW/4 of Section 32, Township 32 North, Range 5 West, NMPM, Rio Arriba County, New Mexico. Approximately 2800 gallons per year of processed water is collected in a below-grade double-walled fiberglass storage tank then transported offsite for disposal. Ground water most likely to be affected in the event of an accidental discharge is estimated to range from 100 feet to 600 feet below ground surface with a total dissolved solids concentration ranging from approximately 335 mg/l to 2000 mg/l respectively. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application(s) may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan application(s), the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan(s) based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan(s) based on the information in the discharge plan application(s) and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 23rd day of September 1998.

STATE OF NEW MEXICO
OIL CONSERVATION
DIVISION

LORI WROTENBERY,
Director

Legal #64237
Pub. September 30, 1998

AFFIDAVIT OF PUBLICATION

No. 40146

STATE OF NEW MEXICO
County of San Juan:

DENISE HENSON, being duly sworn says: That she is the Classified Manager of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication on the following day(s):

Tuesday, September 29, 1998

and the cost of publication is: $111.87

Denise Henson

On 9/29/98 DENISE HENSON appeared before me, whom I know personally to be the person who signed the above document.

Tammy Beek

My Commission Expires April 2, 2000.

COPY OF PUBLICATION

Legals

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan application(s) have been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

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ORIGINAL FILED
GW-155

(GW-307) - Williams Field Services, Ingrid A. Deklau, (801) 584-6543, P.O. Box 58900, Salt Lake City, Utah 84158-0900, has submitted a discharge plan application for the Laguna Seca Compressor Station located in the SW/4 of Section 19, Township 31 North, Range 5 West, NMPM, Rio Arriba County, New Mexico. Approximately 2800 gallons per year of processed water is collected in a below-grade double-walled fiberglass storage tank then transported offsite for disposal. Ground water most likely to be affected in the event of an accidental discharge is estimated to range from 100 feet to 600 feet below ground surface with a total dissolved solids concentration renging from approximately 335 mg/l to 2000 mg/l respectively. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application(s) may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan application(s), the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan(s) based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan(s) based on the information in the discharge plan application(s) and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 23rd day of September 1998.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

/s/Roger C. Anderson
for LORI WROTENBERY, Director

SEAL

Legal No. 40146, published in The Daily Times, Farmington, New Mexico, on Tuesday, September 29, 1998.

DAILY TIMES

(NEW MEXICO NEWSPAPERS, INC.)
201 N. ALLEN POST OFFICE BOX 450
FARMINGTON, NEW MEXICO 87499
505-325-4545

CLASSIFIED AD INVOICE 9/29

Company STATE OF NM ENERGY, MINERALS &
Name OIL CONSERV. WM. LEMAY
Address NATURAL RESOURCES DEPARTMENT
Address 2040 S. PACHECO ST.
Address SANTA FE, NEW MEXICO 87505-5472

Phone no: (505) 827-7131
Cust # d102625
Date 09/29/98
Due 09/30/98

Ad Received by: SR

Date Ad Received

Ad #	Text	Start	Stop	Days	Class	Words	Lines	Inches	Amount
d52226B0	40146	09/29/98	09/29/98	1	999	887	88	32.85	111.87
								TOTAL	111.87

RECEIVED
OCT - 2 1998
OIL CONSERVATION DIVISION

OK FOR PAYMENT
Wayne Price NM-CO

Tuesday, September 29, 1998

and the cost of publication is: $111.87

Denise Henson

On 9/29/98 DENISE HENSON appeared before me, whom I know personally to be the person who signed the above document.

Ginny Beck

My Commission Expires April 2, 2000.

(GW-307) - Williams Field Services, Ingrid A. Deklau, (801) 584-6543, P.O. Box 58900, Salt Lake City, Utah 84158-0900, has submitted a discharge plan application for the Laguna Seca Compressor Station located in the SW/4 of Section 19, Township 31 North, Range 5 West, NMPM, Rio Arriba County, New Mexico. Approximately 2800 gallons per year of processed water is collected in a below-grade double-walled fiberglass storage tank then transported offsite for disposal. Ground water most likely to be affected in the event of an accidental discharge is estimated to range from 100 feet to 600 feet below ground surface with a total dissolved solids concentration ranging from approximately 335 mg/l to 2000 mg/l respectively. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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Affidavit of Publication

STATE OF NEW MEXICO
County of Rio Arriba } ss.

I, Robert Trapp, being first duly sworn, declare and say that I am the Publisher of the Rio Grande Sun, a weekly newspaper, published in the English language, and having a general circulation in the City of Espanola and County of Rio Arriba, State of New Mexico, and being a newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 of the Session Laws of 1937; that the publication, a copy of which is hereto attached, was pu[...]ch week for ..1.... consecutive weeks, and on the [...]e regular issue of the paper during the time of publ[...] was published in the newspaper proper, and not in [...]lication being on the ....8th.... day of .... and the last publication on the 8th..... day of ...[...]98; that payment for said advertisement has been ([...]ourt costs); that the undersigned has personal kn[...]hings set forth in this affidavit.

Robert Trapp
Publisher

[...]and sworn to before me this ....8th.......
...Oct............ A.D., 1998.

[signature]
Notary public

[...]ission expires
5-17-01

16.80	
5.00	
1.80	
5.06	
6.86	

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that [p]ursuant to New Mexico [W]ater Quality Control Com[m]ission Regulations, the fol[lo]wing discharge plan applica[tio]n(s) have been submitted to [th]e Director of the Oil Conser[va]tion Division, 2040 South [P]acheco, Santa Fe, New Mex[ic]o 87505, Telephone (505) [8]27-7131:

(GW-155) - Williams Field [S]ervices, Ingrid A. Deklau, [(8]01) 584-6543, P.O. Box [5]8900, Salt Lake City, Utah [8]4158-0900, has submitted a [di]scharge plan renewal appli[ca]tion for the Aztec CDP Com[pr]essor Station located in the [S]W/4 SW/4 of Section 8, [T]ownship 32 North, Range 10 [W]est, NMPM, San Juan [Co]unty, New Mexico. Approxi[m]ately 200 barrels per week of [pr]ocessed water is collected [in] a fiberglass storage tank [th]en transported offsite for dis[po]sal. Ground water most like[ly] to be affected in the event of [an] accidental discharge is at [an] estimated depth of approxi[m]ately 380 feet with a total dis[sol]ved solids concentrate of [ap]proximately 3,150 mg/l. The [di]scharge plan addresses [ho]w spills, leaks, and other [ac]cidental discharges to the [su]rface will be managed.

(GW-307) - Williams Field [Se]rvices, Ingrid A. Deklau, [(8]01) 584-6543, P.O. Box [58]900, Salt Lake City, Utah [84]158-0900, has submitted a [dis]charge plan application for [the] Laguna Seca Compressor [Sta]tion located in the SW/4 of [Se]ction 19, Township 31 [No]rth, Range 5 West, NMPM, [Rio] Arriba County, New Mex[ico]. Approximately 2800 gal[lon]s per year of processed [wa]ter is collected in a below[-gra]de double-walled fiberg[las]s storage tank then trans[por]ted offsite for disposal. [Gr]ound water most likely to be [aff]ected in the event of an [ac]cidental discharge is esti[ma]ted to range from 100 feet [to] 600 feet below ground sur[fa]ce with a total dissolved sol[id]s concentration ranging from [ap]proximately 335 mg/l to [20]00 mg/l respectively. The [di]scharge plan addresses [ho]w spills, leaks, and other [ac]cidental discharges to the [su]rface will be managed.

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County of Rio Arriba } ss.

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Robert Trapp
Publisher

Subscribed and sworn to before me this 8th day of Oct A.D. 1998

[signature]
Notary Public

My Commission expires
5-19-01

PUBLISHER'S BILL

192 lines one time at $ 76.80
1 affidavit $ 5.00
Sub Total $ 81.80
Tax $ 5.06
Total $ 86.86

Received payment

RIO GRANDE SUN

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan application(s) have been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 23rd day of September 1998.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

for LORI WROTENBERY, Director

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 9/10/98,

or cash received on _____ in the amount of $ 50.00

from WFS

for Martinez Dram CS GW-308
(Facility Name) (OP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: [signature] Date: 10/30/98

Received in ASD by: _____ Date: _____

Filing Fee X New Facility ___ Renewal ___

Modification ___ Other _____
(specify)

Organization Code 521.07 Applicable FY 99

To be deposited in the Water Quality Management Fund.

Full Payment ___ or Annual Increment ___

Williams

Williams Field Services Company
P. O. Box 58900
Salt Lake City, Utah 84158-0900

Chase Manhattan Bank Delaware
1201 Market Street
Wilmington DE 19801

62-26
311

5736-09

DATE	CHECK NO.	NET AMOUNT
09/10/98	[redacted]	50.00

PAY
FIFTY AND 00/100----------

TO THE ORDER OF
NEW MEXICO OIL CONSERVATION DI
NM WATER QUALITY MGMT FUND
2040 SOUTH PACHECO
SANTA FE NM 87504

Mary Jane Bittick
TREASURER

[redacted]

Williams Field Services Company

4341 NEW MEXICO OIL CONSERVATION DI [redacted] 09/10/98

INVOICE NUMBER	DESCRIPTION	INVOICE DATE	AMOUNT	DISCOUNT	NET AMOUNT
090498 QM		09/04/98	50.00	0.00	50.00
			50.00	0.00	50.00

PLEASE DETACH BEFORE DEPOSITING

295 Chipeta Way
P.O. Box 58900
Salt Lake City, UT 84108
801/584-6543
801/584-7760

GW-308

September 15, 1998

Ms. Lori Wrotenbery
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Re: Discharge Plan Application Fee for Martinez Draw Compressor Station; Rio Arriba County

Dear Ms. Wrotenbery:

Enclosed please find a check number 95436 for $50.00 to cover the discharge plan application fee for Williams Field Services Martinez Draw Compressor Station located in Rio Arriba County, New Mexico. Also enclosed, please find two copies of the Martinez Draw Discharge Plan application.

Williams Field Services appreciates your assistance in handling this application. If you have any questions or require additional information, please do not hesitate to contact me at (801) 584-6543.

Sincerely,

Ingrid Deklau
Environmental Specialist

Enclosures

Xc: Denny Foust, OCD District III Office

Williams Field Services Company

4341 NEW MEXICO OIL CONSERVATION DI [redacted] 09/10/98

INVOICE NUMBER	DESCRIPTION	INVOICE DATE	AMOUNT	DISCOUNT	NET AMOUNT
090498 QM		09/04/98	50.00	0.00	50.00
			50.00	0.00	50.00

PLEASE DETACH BEFORE DEPOSITING

Williams

Williams Field Services Company
P. O. Box 58900
Salt Lake City, Utah 84158-0900

Chase Manhattan Bank Delaware
1201 Market Street
Wilmington DE 19801

62-26
311

DATE	CHECK NO.	NET AMOUNT
09/10/98	[redacted]	50.00

PAY
FIFTY AND 00/100----------

TO THE ORDER OF
NEW MEXICO OIL CONSERVATION DI
NM WATER QUALITY MGMT FUND
2040 SOUTH PACHECO
SANTA FE NM 87504

Mary Jane Bittick
TREASURER

GW-308

5/92

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87501

RECEIVED
SEP 23 1998
Environmental Bureau
Oil Conservation Division

DISCHARGE PLAN APPLICATION FOR NATURAL GAS PROCESSING PLANTS, OIL REFINERIES AND GAS COMPRESSOR STATIONS

(Refer to OCD Guidelines for assistance in completing the application.)

I. TYPE: Natural Gas Compressor Station - Martinez Draw

II. OPERATOR: Williams Field Services

ADDRESS: PO Box 58900 Salt Lake City, UT 84158

CONTACT PERSON: Ingrid Deklau PHONE: 801-584-6543

III. LOCATION: NW /4 NE /4 Section 17 Township 31 N Range 5W
Submit large scale topographic map showing exact location.

IV. Attach the name and address of the landowner(s) of the disposal facility site.

V. Attach description of the facility with a diagram indicating location of fences, pits, dikes, and tanks on the facility.

VI. Attach a description of sources, quantities and quality of effluent and waste solids.

VII. Attach a description of current liquid and solid waste transfer and storage procedures.

VIII. Attach a description of current liquid and solid waste disposal procedures.

IX. Attach a routine inspection and maintenance plan to ensure permit compliance.

X. Attach a contingency plan for reporting and clean-up of spills or releases.

XI. Attach geological/hydrological evidence demonstrating that disposal of oil field wastes will not adversely impact fresh water. Depth to and quality of ground water must be included.

XII. Attach such other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.

XIII. CERTIFICATION

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Ingrid Deklau Title: Environmental Specialist

Signature: Ingrid Deklau Date: 9/15/98

DISTRIBUTION: Original and one copy to Santa Fe with one copy to appropriate Division District Office.

DISCHARGE PLAN

IGNACIO FIELD GATHERING SYSTEM
MARTINEZ DRAW COMPRESSOR STATION

GW-308

RECEIVED
SEP 23 1998
Environmental Bureau
Oil Conservation Division

Williams Field Services Company

September, 1998

Table of Contents

List of Tables

List of Figures - All figures follow Section XI

List of Appendices

I. TYPE OF OPERATION

The Martinez Draw Compressor Station will provide metering, dehydration, and compression services to various producers for the gathering of natural gas for treatment and delivery through Williams Field Services (WFS) Ignacio Plant.

II. LEGALLY RESPONSIBLE PARTY

Williams Field Services
295 Chipeta Way
Salt Lake City, Utah 84108
(801) 584-6543

Contact Person:
Ingrid Deklau, Environmental Specialist
Phone and Address, Same as Above

III. LOCATION OF FACILITY

The Martinez Draw Compressor Station will be located in the NW/4 of the NE/4 of Section 17, Township 31 North, Range 5 West, in Rio Arriba County, New Mexico, approximately 40 miles east of Aztec, New Mexico. A Site Location map is attached (USGS 7.5 Min. Quadrangles: Bancos Mesa NW, New Mexico) as Figure 1. The site for this station is 0.918 acres. The site boundary survey and facility layout are illustrated in Figure 2 and Figure 3.

IV. LANDOWNER

Williams Field Services is leasing the subject property from:

Bureau of Land Management
1235 N. La Plata Highway
Farmington, NM 87401

V. FACILITY DESCRIPTION

Construction of the facility and installation two Waukesha 7042 GL engines (site rated at 1380 HP and 1151 HP) and one 12 MMSCFD dehydrator is anticipated to be completed in November, 1998. The units will be skid-mounted and self contained. The station currently has a design volume capacity of 14 MMscfd. This facility is classified as a field compressor station; consequently, the facility will be unmanned and there will be no formal office or other support facilities not essential to field compression at the site.

VI. SOURCE, QUANTITY, AND QUALITY OF EFFLUENTS AND WASTE SOLIDS

The source, quantity, and quality of effluent and waste solids generated at the compressor station are summarized in Table 1. Material Safety Data Sheets for oil used in the equipment were previously provided to New Mexico Oil Conservation Division (NMOCD) by WFS. For reference, representative samples of washdown wastewater and used motor oil have previously been collected from representative WFS compressor stations and analyzed for the parameters listed below.

Sample	Parameters
Washdown Wastewater	pH, TDS, TOX, TPH, BETX, As, Ba, Cd, Cr, Pb, Hg, Se, Ag.
Used Motor Oil	As, Cd, Cr, Pb, TOX, Flash Point

The results of previous tests conducted on similar waste streams showed that the washdown water did not exhibit any of the hazardous characteristics and used motor oil was suitable for recycling (see Appendix A). Additional Chemicals listed in WQCC 1101.TT and 3103 are not expected to be present in any process fluids or in the gas transported at this compressor station.

Used oil filters have been collected from representative WFS compressor stations and analyzed for TCLP Metals. The results of the analysis found that the filters did not exceed TCLP concentrations for metals. The analyses were submitted to the San Juan County Regional Landfill along with the Waste Acceptance Profiles. These profiles are updated every two years or as required by the landfill.

TABLE 1
SOURCE, QUANTITY, AND QUALITY OF EFFLUENT AND WASTE SOLIDS
MARTINEZ DRAW COMPRESSOR STATION

PROCESS FLUID/WASTE	SOURCE	QUANTITY (estimate)	QUALITY
Used Oil	Compressor	500 gal/yr/engine	Used motor oil w/no additives
Natural Gas Condensate	Scrubber, Gas Inlet Separator, and Dehy	1000 bbl/yr	No additives
Wash-down Water	Compressor Skid	700 gal/yr/engine	Soap and tap water w/traces of used oil
Spill Residue (i.e., gravel, soil)	Incidental spills	Incident dependent	Incident dependent
Used Absorbents	Incidental spill/leak equipment wipe-down	Incident dependent	No additives
Used Oil Filters	Compressor	28/yr/engine	No additives
Used Glycol Filters	Dehydrator	12/dehy/yr	No additives

VII. TRANSFER, STORAGE, AND DISPOSAL OF PROCESS FLUIDS, EFFLUENTS AND WASTE SOLIDS

Table 2 describes the transfer, storage and disposal of process fluids, effluents, and waste solids expected to be generated at the site. The table also includes information regarding the type of container in which the waste stream will be stored, container capacity, and containment/spill prevention provisions.

Exempt and non-exempt wastes will be managed separately. Only exempt wastes will be disposed down Class II injection wells. Non-exempt wastes will be characterized for hazardous constituents.

TABLE 2
TRANSFER, STORAGE, AND DISPOSAL OF PROCESS FLUIDS, EFFLUENTS, AND WASTE SOLIDS
MARTINEZ DRAW COMPRESSOR STATION

PROCESS FLUID/WASTE	SOURCE	STORAGE	CONTAINER CAPACITY (approximate)	CONTAINMENT/ SPILL PREVENTION	RCRA STATUS	DESCRIPTION OF FINAL DISPOSITION
Natural Gas Condensate	Scrubber, gas inlet separator, and dehy	Above Ground Storage Tank	100 bbl	Berm	Exempt	Saleable liquids may be sold to refinery or liquid may be disposed at NMOCD- approved facility.
Wash-down Water	Compressor skid	Below-ground tank	740 gallons	Double-walled, fiberglass tank	Non-exempt	Contractor may pump washwater back into truck after washing; water may be transported to NMOCD-approved facility; or evaporation at WFS facility may be considered in future.
Used Glycol Filters	Dehydrator	Drum or other container	up to 100 gallons	Transported to WFS facility in drum or other container	Exempt	Filters will be taken to WFS consolidation point, drained, and ultimately transported for disposal at a Regional Landfill. A Waste Acceptance Profile will be filed with the landfill. Recycling options may be considered whenever available.
Used Oil Filters	Compressor	Drum or other container	up to 100 gallons	Transported to POI or WFS facility in drum or other container	Non-exempt	Filters will be taken to POI or WFS consolidation point, drained, and ultimately transported for disposal at a Regional Landfill. A Waste Acceptance Profile will be filed with the landfill. Recycling options may be considered whenever available.
Used Absorbents	Incidental spills or leaks	Drum or other container	up to 100 gallons	Transported to WFS or POI facility in drum or other container	Non-exempt	Absorbents will be taken to WFS or POI consolidation point, drained/wrung, and ultimately transported for disposal at a Regional Landfill. A Waste Acceptance Profile will be filed at the landfill. Recycling options may be considered whenever available.
Spill Residue (i.e., soil, gravel)	Incidental spills	N/A	N/A	In situ treatment, land-farm, or alternate method	Incident dependent	Per Section VI, Remediation, in 8/13/93 NMOCD Guidelines for Remediation of Leaks, Spills, and Releases.
Compressor Oil	For use in compressor	Day tank adjacent to each engine	500 gallons	Berm	N/A	N/A
Used Oil	Compressor	Day tank adjacent to each engine	500 gallons	Berm	Non-exempt	Transported to EPA-registered used oil marketer for recycling.

VIII. INSPECTION, MAINTENANCE AND REPORTING

Production Operators, Incorporated (POI) will be contracted to operate and maintain the facility. The facility will be inspected several times per week at a minimum and a POI operator will be on call 24 hours per day, 7 days per week, 52 weeks per year. The above ground and below ground tanks will be gauged regularly, and monitored for leak detection. The facility will be inspected monthly. The below ground tank will be constructed of fiberglass and will be equipped with covers to inspect the annular space. All inspections will be recorded on the facilities operating record. The facility will be remotely monitored for equipment malfunctions through Gas Dispatch and the Ignacio Field Gathering District. POI must comply with Williams' spill response procedures.

Environmental Protection will be a contractual obligation as follows:

Pollution/Hazardous Waste: POI shall take all necessary precautions to control pollution of any kind resulting form POI's operation of the compression equipment. At POI's sole cost, all hazardous substances, hazardous wastes and oil will be managed to prevent contamination of property and associated surface and groundwater resources.

POI will comply with all applicable spill reporting and record keeping requirements of federal, state, and local laws and regulations pertaining to hazardous substances, hazardous wastes and oil. POI shall be responsible for all costs related to the cleanup and disposal of contaminated material as well as personal or property damage resulting from such contamination on said property. Hazardous wastes will be properly stored and disposed of in accordance with applicable state and federal laws and regulations.

In the event of a release of a reportable quantity, the operator reports the release to WFS Gas Control who immediately notifies the WFS Environmental Affairs Department. WFS Environmental Affairs then reports the release to the appropriate agencies.

IX. SPILL/LEAK PREVENTION AND REPORTING (CONTINGENCY PLANS)

Spill containment berms around above ground storage tanks will be designed to contain 1 1/3 times the volume of the tank. The below ground tank will be double-lined and constructed of fiberglass (see Figure 4).

Prior to facility start-up, all pressure vessels on site will be tested in accordance with the requirement of the ASME Boiler and Pressure Vessel Code. All interconnecting gas piping on site will be tested in accordance with the requirements of the ASME Code for Pressure Piping, B31.8 Gas Transmission and Distribution Piping Systems.

WFS corporate policy and procedure for the controlling and reporting of Discharges or Spills of Oil or Hazardous Substances is provided in Appendix B. Significant spills and leaks are reported to the NMOCD pursuant to NMOCD Rule 116 and WQCC 1-203 using the NMOCD form (see Appendix C).

X. SITE CHARACTERISTICS

The Martinez Draw Compressor Station is approximately 40 miles east of Aztec, New Mexico. The site is located along Cabresto Canyon, approximately 3.5 miles upstream from the San Juan River arm of the Navajo Reservoir.

The area is characterized by high, irregular mesas ranging from 6,500 to 7,000 feet in elevation, and is dissected by numerous small canyons and broad valleys of the San Juan River and its major tributaries. Sandstones of the San Jose and Nacimiento formations cap the mesa tops but shales are exposed on the slopes. The valley bottoms are typically filled with fine alluvial silts.

The site elevation is approximately 6,200 feet above mean sea level. The natural ground surface topography slopes downward toward the northeast. The maximum relief over the site is approximately 9 feet. Intermittent flow from the site will follow natural drainage to the northeast towards the Cabresto Canyon drainage, which lies approximately 200 yards down gradient. The eastern-most reach of the Cabresto Canyon branch of the San Juan River, the nearest down gradient perennial source of surface water to the site, is within one-half mile down gradient, at an elevation of approximately 6120 feet.

A review of the available hydrologic data[1,2] for this area revealed that there are no water wells within a radius of one mile from the location of the Martinez Draw Station. The nearest water well was found approximately 6 miles from the site in Township 31 North, Range 6 West, Section 32. The limited data available on this well indicated that the well was drilled to a depth of 610 feet, in an un-designated formation, for industrial purposes by El Paso Natural Gas.

The 100-year 24-hour precipitation event for the area is 2.8 inches. This small amount of rainfall for the area should pose no flood hazards. Vegetation in the area consists predominantly of sagebrush and native grasses

Flood Protection: Surface water runoff from the area surrounding the site will be diverted around the facility into the natural drainage path.

References

[1]Stone, W.J., Lyford, F.P., Frenzel, P.F., Mizell, N.H., Padgett, E.T., 1983, Hydrology and Water Resources of San Juan Basin, New Mexico Bureau of Mines and Mineral Resources, Hydrologic Report 6.

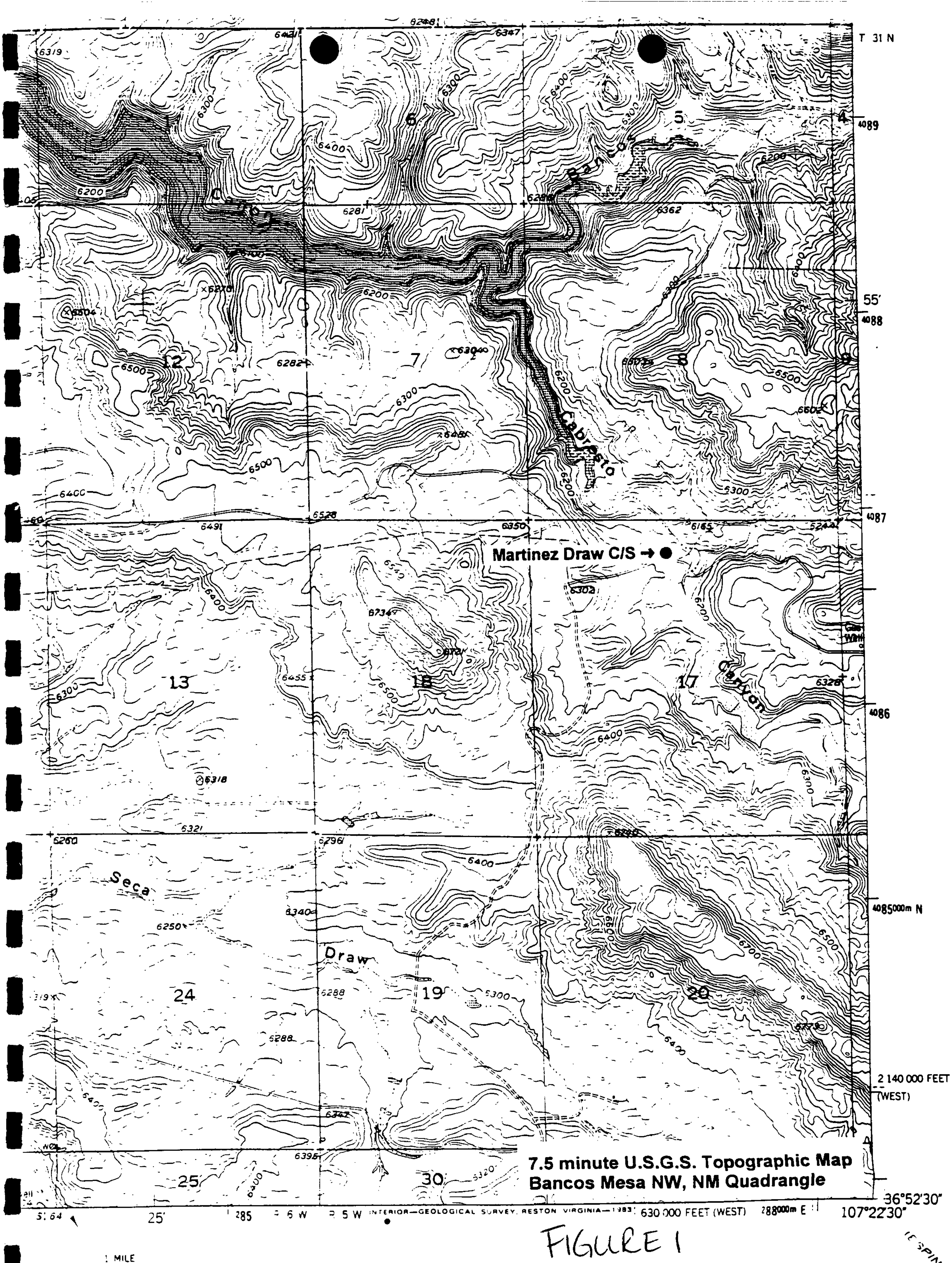
[2]Records of Water Wells in San Juan County, 1978-1983.

XI FACILITY CLOSURE PLAN

All reasonable and necessary measures will be taken to prevent the exceedence of WCQQ Section 3103 quality standards should WFS choose to permanently close the facility. WFS will submit a detailed closure plan to the NMOCD prior to closure.

Generally, closure measures will include removal or closure in place of underground piping and other equipment. All wastes will be removed from the site and properly disposed in accordance with the rules and regulations in place at the time of closure. When all fluids, contaminants, and equipment have been removed from the site, the site will be graded as close to the original contour as possible.

Should contaminated soil be discovered, any necessary reporting under NMOCD Rule 116 and WQCC Section 1203 will be made and clean-up activities will commence. Post-closure maintenance and monitoring plans would not be necessary unless contamination is encountered.

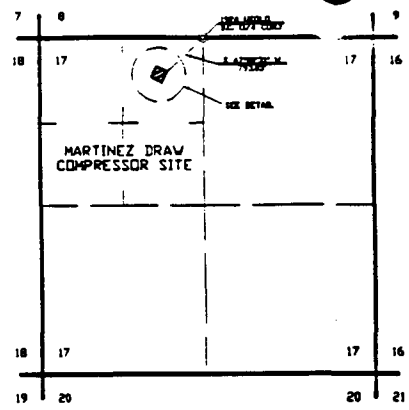


7.5 minute U.S.G.S. Topographic Map
Bancos Mesa NW, NM Quadrangle

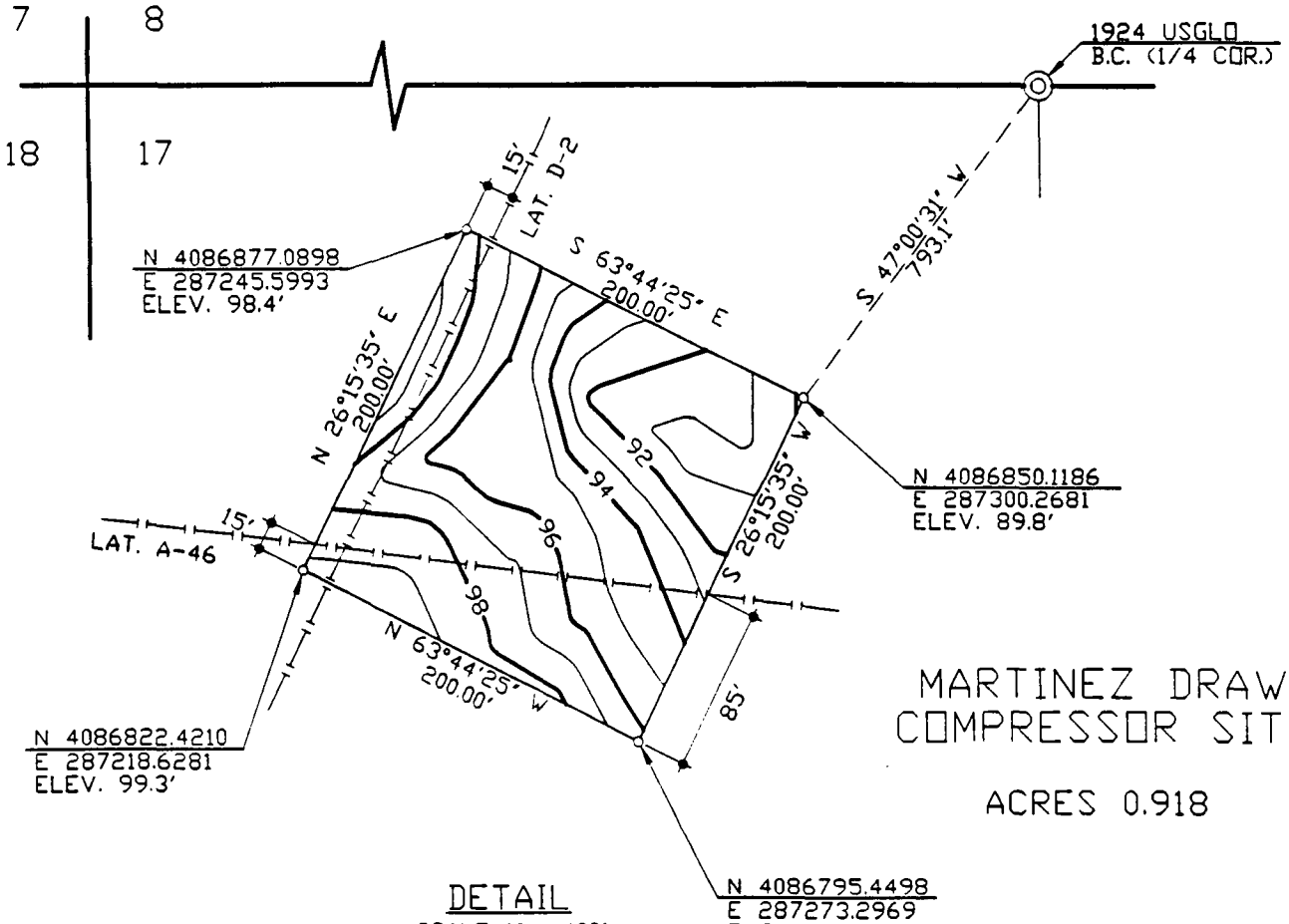
FIGURE 1

ROAD CLASS.F.CATION

NOTE: BEARINGS ARE BASED ON A SOLAR OBSERVATION AS MEASURED BETWEEN SW COR. & NW COR. OF SITE SECTION 17, T-31-N, R-5-W, NMPM
BEARS: N 26°15'35" E



VICINITY MAP
SCALE: 1" = 3000'



DETAIL
SCALE 1" = 100'

MARTINEZ DRAW
COMPRESSOR SITE

ACRES 0.918

NOTES
1. ALL COORDINATES AS SHOWN ARE DERIVED FROM U.S.G.S. QUAD MAP. UTM COORDINATES, ZONE 13, IN METERS.
2. o DENOTES SET 1/2" REBAR
3. TBM IS TOP OF 8" CROSSOVER FROM LAT. D-2 & LAT. A-46 ASSUMED ELEV.: 100'

REVISION NO.	DATE	BY	DESCRIPTION	W.O.NO.	CHK.	APP.	NO.	DATE	BY	DESCRIPTION	W.O.NO.	CHK.
1	4/17/98	JDB	ISSUED FOR REVIEW		FAO	CJ						

INFO		DRAFTING	BY	DATE
SURVEYED:	3/24/98	DRAWN BY	JDB	4/17/98
R/W #:		CHECKED BY	FAO	4/17/98
		APPROVED BY	RR	4/17/98
		ENGINEER	BY	DATE
		DESIGNED BY		
		PROJ. APPROVED	CJ	4/23/98

STATE: NEW MEXICO
LOCATION: RIO ARRIBA

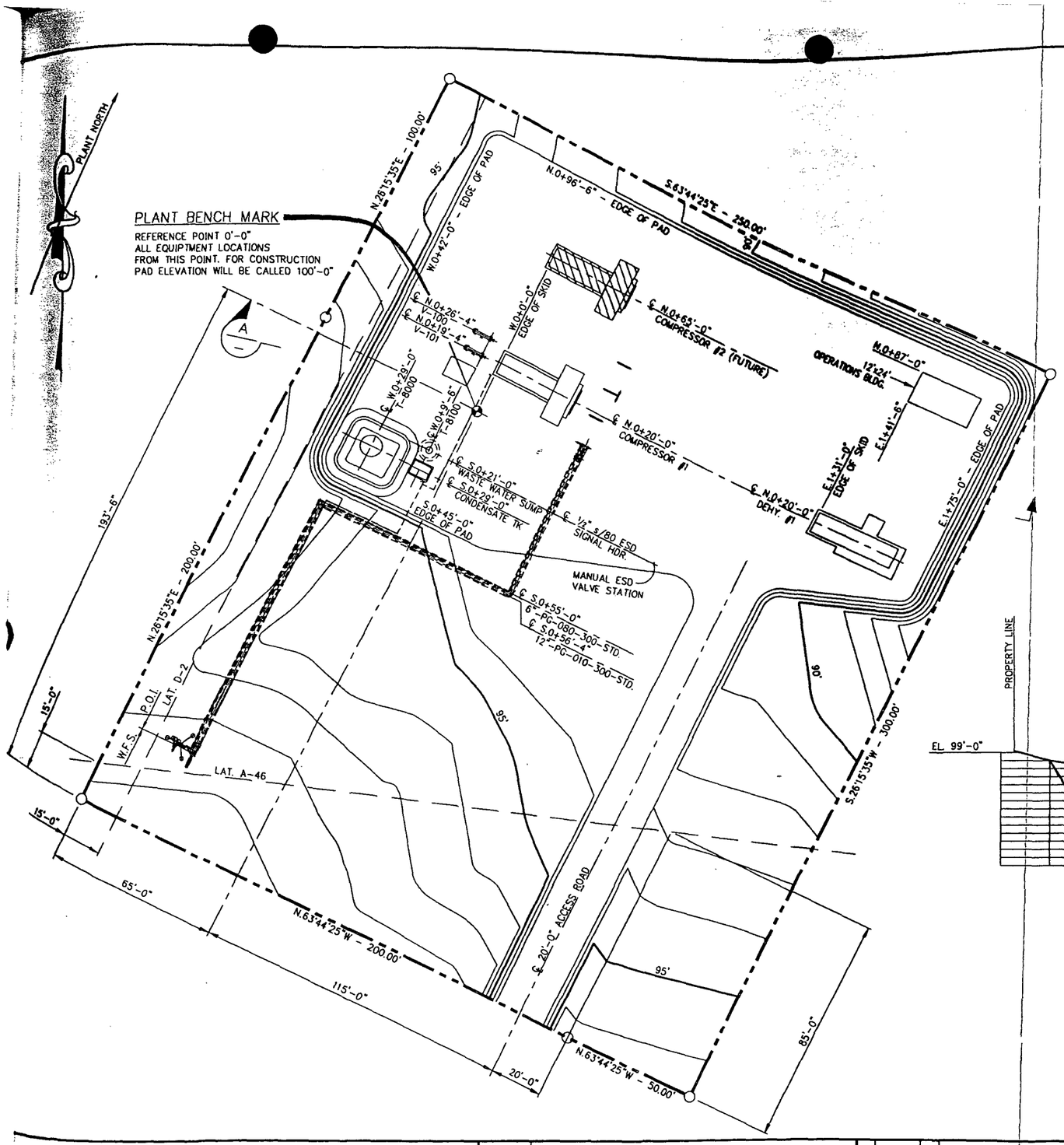
WILLIAMS GAS PROCESSING
ONE OF THE WILLIAMS COMPANIES

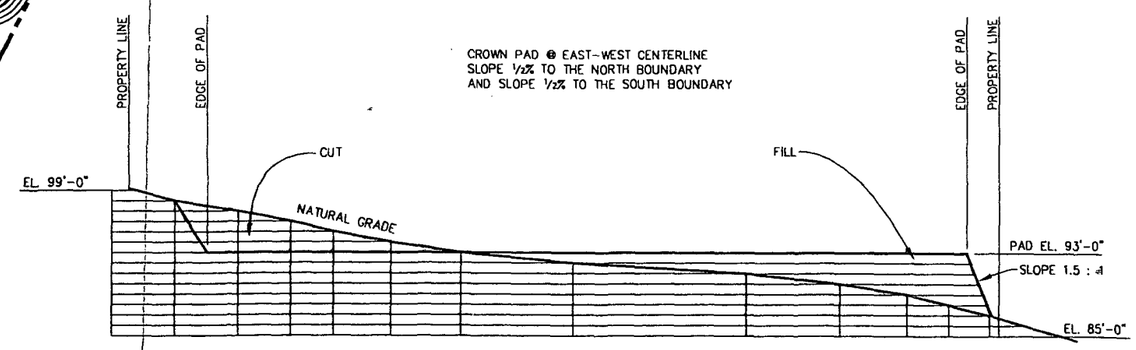
FIGURE 2
SAN JUAN GATHERING SYSTEM
MARTINEZ DRAW COMPRESSOR SITE
SECTION 19, T-31-N, R-5-W, NMPM

SCALE: AS NOTED
W.O. NO.

DWG NO. 765.9-X-71

SHEET 1 OF 1





PROFILE "A-A"

VERTICAL SCALE EXPANDED 3 : 1

AREA = 75,000.0 SQ. FT.
OR 1.7218 ACRES

FIGURE 3

PRODUCTION OPERATORS INC.

DWG.No.	DESCRIPTION

REFERENCE DRAWINGS

NO.	DATE	BY	DESCRIPTION	W.O. #	APP.

REVISIONS

NO.	DATE	BY	DESCRIPTION	W.O. #	APP.
0	8/14/98	IT	ISSUED FOR CONSTRUCTION	14364	

REVISIONS

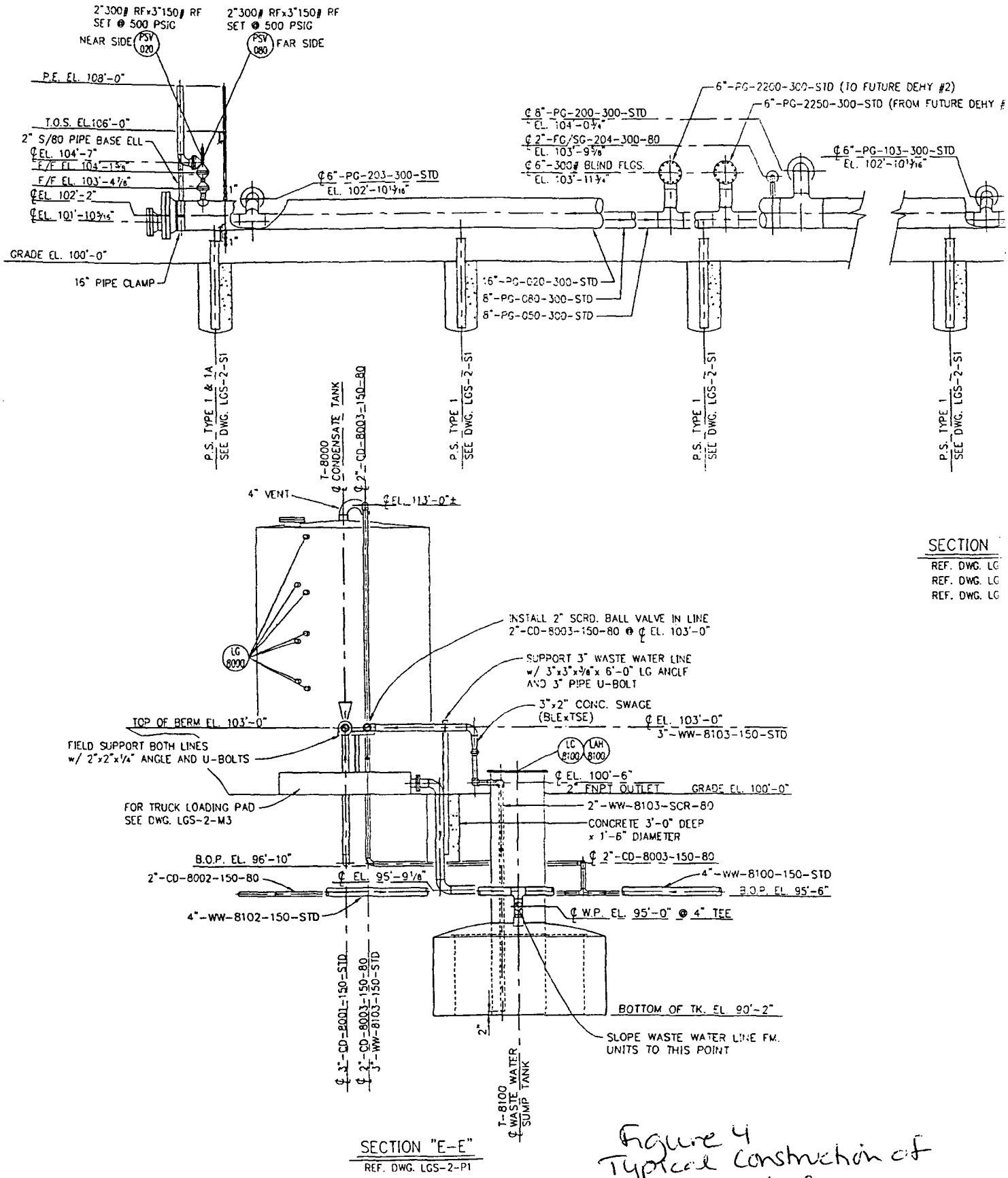
DRAFTING	BY	DATE
DRAWN	IT	7/6/98
CHECKED	DOA	8/11/98
APPROVED		
ENGINEERING	BY	DATE
C & S REVIEW		
PROJECT APPROVED		
PLOT DATE/TIME	8/5/1998 10:33 A.M.	

WILLIAMS ENERGY SERVICES
ONE OF THE WILLIAMS COMPANIES, INC.

MARTINEZ DRAW COMPRESSOR STATION
EXCAVATION & SITE LAYOUT

SCALE: 1"=20'
W.O. # 14364

DWG. NO. MDR-1-M1



SECTION "E-E"
REF. DWG. LGS-2-P1

SECTION
REF. DWG. LG
REF. DWG. LG
REF. DWG. LG

Figure 4
Typical Construction of Below-Grade Sump

PRODUCTION OPERATORS INC.

DWG. No.	DESCRIPTION	NO.	DA
LGS-2-P1	LAGUNA SECA COMPRESSOR STATION PIPING PLAN #1 @ COND. TANK AREA		
LGS-2-P2	LAGUNA SECA COMPRESSOR STATION PIPING PLAN #2 @ COMPRESSOR #1		
LGS-2-P3	LAGUNA SECA COMPRESSOR STATION PIPING PLAN #3 @ COMPRESSOR #2		
LGS-2-P6	LAGUNA SECA COMPRESSOR STATION PIPING PLAN #6 @ ESD/SDV AREA		

REFERENCE DRAWINGS

APPENDIX A

WASTE ANALYSIS

Enseco Incorporated

CEDAR HILL C.D.P.
WASTE OIL +
WASTEWATER

ANALYTICAL RESULTS

FOR

NORTHWEST PIPELINE CORPORATION

ENSECO-RMAL NO. 024601

SEPTEMBER 21, 1992

Enseco
A CORNING Company

ANALYTICAL RESULTS

FOR

NORTHWEST PIPELINE CORPORATION

ENSECO-RMAL NO. 024601

SEPTEMBER 21, 1992

Reviewed by:

Joe A. Maes

Joel E. Holtz

Enseco Incorporated
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

ORGANIC ANALYSIS REPORT

AMERICAN WEST ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Fax (801) 263-8687

Client: Williams Field Services
Date Sampled: July 19,1995
Date Received: July 20,1995

Contact: Mark Harvey
Date Analyzed: July 26,1995

Analysis Requested:
Volatile Aromatics
Total Purgeable Hydrocarbons

Method Ref.Number:
SW-846 #8260
(Purge & Trap GC/MS)

Field Sample ID:
SAN JUAN AREA
CEDAR HILL #1

Lab Sample ID:
L23218-8

Analytical Results — BTX/TPH-P

Units = mg/L(ppm)

Compound:	Detection Limit:	Amount Detected:
Benzene	0.020	0.036
Toluene	0.020	0.046
Ethylbenzene	0.020	0.14
Total Xylene	0.020	0.95
Total Purgeable Hydrocarbons	0.20	19.

< Value = None detected above the specified detection limit, or a value that reflects a reasonable limit due to interferences.

Released By: _____
Laboratory Supervisor

Report Date: July 31,1995

INORGANIC ANALYSIS REPORT

AMERICAN WEST ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Fax (801) 263-8687

Client: Williams Field Service
Date Sampled: July 19, 1995
Lab Sample ID.: 23218-08
Field Sample ID: San Juan Area/Cedar Hill #1

Contact: Mark Harvey
Date Received: July 20, 1995
Received By: Lanie Hastings
Set Description: One Water and Seven Soil Samples

Analytical Results

	Method Used:	Detection Limit: mg/L	Amount Detected: mg/L
TOTAL METALS			
Arsenic	7060	0.005	<0.005
Barium	6010	0.002	2.8
Cadmium	6010	0.004	0.013
Chromium	6010	0.01	0.03
Lead	6010	0.05	0.13
Mercury	7471	0.001	<0.001
Selenium	7740	0.005	<0.005
Silver	6010	0.01	<0.01
OTHER CHEMISTRIES			
pH	150.1	0.1	6.8
TDS	160.1	1.0	3,600.
TOX	9020	0.5	1.6

Released by: _____
Laboratory Supervisor

Report Date 8/2/95

Introduction

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

- Sample Description Information
- Analytical Test Requests
- Analytical Results
- Quality Control Report

All analyses at Enseco are performed so that the maximum concentration of sample consistent with the method is analyzed. Dilutions are at times required to avoid saturation of the detector, to achieve linearity for a specific target compound, or to reduce matrix interferences. In this event, reporting limits are adjusted proportionately. Surrogate compounds may not be measurable in samples which have been diluted.

Sample 024601-0001 was diluted for Method 8020 due to concentrations of target compounds present beyond linear range; the reporting limits have been increased accordingly.

Sample 024601-0002 was diluted for Method 9020 due to matrix interferences; the reporting limits have been increased accordingly.

Sample Description Information

The Sample Description Information lists all of the samples received in this project together with the internal laboratory identification number assigned for each sample. Each project received at Enseco-RMAL is assigned a unique six digit number. Samples within the project are numbered sequentially. The laboratory identification number is a combination of the six digit project code and the sample sequence number.

Also given in the Sample Description Information is the Sample Type (matrix), Date of Sampling (if known) and Date of Receipt at the laboratory.

Analytical Test Requests

The Analytical Test Requests lists the analyses that were performed on each sample. The Custom Test column indicates where tests have been modified to conform to the specific requirements of this project.

Enseco
A Corning Company

SAMPLE DESCRIPTION INFORMATION
for
Northwest Pipeline Corporation

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
024601-0001-SA	CEDAR HILL CDP WASTE WATER TAN	AQUEOUS	18 AUG 92	12:40	19 AUG 92
024601-0002-SA	WASTE OIL TANK CEDAR HILL	AQUEOUS	18 AUG 92	11:30	19 AUG 92
024601-0003-TB	TRIP BLANK	AQUEOUS			19 AUG 92

Enseco
A Corning Company

ANALYTICAL TEST REQUESTS
for
Northwest Pipeline Corporation

Lab ID: 024601	Group Code	Analysis Description	Custom Test?
0001	A	pH	N
		Total Dissolved Solids (TDS)	N
		ICP Metals (Total)	Y
		Prep - Total Metals, ICP	N
		Total Organic Halogen (TOX)	N
		Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX)	N
		Arsenic, Furnace AA (Total)	N
		Prep - Total Metals, Furnace AA	N
		Lead, Furnace AA (Total)	N
		Mercury, Cold Vapor AA (Total)	N
		Prep - Mercury, Cold Vapor AA (Total)	N
0002	B	Arsenic, Furnace AA	N
		Prep - Total Metals, Furnace AA	N
		ICP Suite	Y
		Prep - Total Metals, ICP	N
		Lead, Furnace AA	N
		Total Organic Halogen (TOX)	N
		Ignitability, Closed Cup	N
0003	C	Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX)	N

Analytical Results

The analytical results for this project are presented in the following data tables. Each data table includes sample identification information, and when available and appropriate, dates sampled, received, authorized, prepared and analyzed. The authorization data is the date when the project was defined by the client such that laboratory work could begin.

Data sheets contain a listing of the parameters measured in each test, the analytical results and the Enseco reporting limit. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis, i.e. no correction is made for moisture content.

The results from the Standard Enseco QA/QC Program, which generates data which are independent of matrix effects, are provided subsequently.

Enseco
A Corning Company

Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX)

Method 8020

Client Name: Northwest Pipeline Corporation
Client ID: CEDAR HILL CDP WASTE WATER TANK
Lab ID: 024601-0001-SA
Matrix: AQUEOUS
Sampled: 18 AUG 92
Received: 19 AUG 92
Authorized: 19 AUG 92
Prepared: NA
Analyzed: 22 AUG 92

Parameter	Result	Units	Reporting Limit
Benzene	19	ug/L	1.2
Toluene	63	ug/L	1.2
Ethylbenzene	12	ug/L	1.2
Xylenes (total)	240	ug/L	1.2
Surrogate	**Recovery**		
a,a,a-Trifluorotoluene	112	%	

ND = Not detected
NA = Not applicable

Reported By: Steve Shurgot
Approved By: Stan Dunlavy

Enseco
A Corning Company

Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX)

Method 8020

Client Name: Northwest Pipeline Corporation
Client ID: TRIP BLANK
Lab ID: 024601-0003-TB
Matrix: AQUEOUS Sampled: Unknown Received: 19 AUG 92
Authorized: 19 AUG 92 Prepared: NA Analyzed: 24 AUG 92

Parameter	Result	Units	Reporting Limit
Benzene	ND	ug/L	0.50
Toluene	ND	ug/L	0.50
Ethylbenzene	ND	ug/L	0.50
Xylenes (total)	ND	ug/L	0.50

Surrogate	Recovery	
a,a,a-Trifluorotoluene	106	%

ND = Not detected
NA = Not applicable

Reported By: Steve Shurgot Approved By: Stan Dunlavy

Enseco
A Coming Company

Metals

Total Metals

Client Name: Northwest Pipeline Corporation
Client ID: CEDAR HILL CDP WASTE WATER TANK
Lab ID: 024601-0001-SA
Matrix: AQUEOUS Sampled: 18 AUG 92 Received: 19 AUG 92
Authorized: 19 AUG 92 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Arsenic	ND	mg/L	0.0050	7060	10 SEP 92	12 SEP 92	
Barium	0.11	mg/L	0.010	6010	10 SEP 92	15 SEP 92	
Cadmium	ND	mg/L	0.0050	6010	10 SEP 92	15 SEP 92	B
Chromium	0.15	mg/L	0.010	6010	10 SEP 92	15 SEP 92	
Lead	0.020	mg/L	0.010	7421	10 SEP 92	11 SEP 92	
Mercury	ND	mg/L	0.00020	7470	13 SEP 92	13 SEP 92	

Note B : Compound is also detected in the blank.

ND = Not detected
NA = Not applicable

Reported By: Jeff Malecha Approved By: Sandra Jones

Enseco
A Corning Company

Metals

Total Metals

Client Name: Northwest Pipeline Corporation
Client ID: WASTE OIL TANK CEDAR HILL
Lab ID: 024601-0002-SA
Matrix: WASTE Sampled: 18 AUG 92 Received: 19 AUG 92
Authorized: 19 AUG 92 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic	ND	mg/kg	1.0	7060	14 SEP 92	16 SEP 92
Cadmium	ND	mg/kg	0.50	6010	14 SEP 92	15 SEP 92
Chromium	1.0	mg/kg	1.0	6010	14 SEP 92	15 SEP 92
Lead	2.8	mg/kg	2.2	7421	14 SEP 92	14 SEP 92

ND = Not detected
NA = Not applicable

Reported By: Bob Reilly Approved By: Sandra Jones

Enseco
A Corning Company

General Inorganics

Client Name: Northwest Pipeline Corporation
Client ID: CEDAR HILL CDP WASTE WATER TANK
Lab ID: 024601-0001-SA
Matrix: AQUEOUS Sampled: 18 AUG 92 Received: 19 AUG 92
Authorized: 19 AUG 92 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
pH	4.9	units	--	9040	NA	19 AUG 92
Total Organic Halogen as Cl	71.4	ug/L	30.0	9020	NA	10 SEP 92
Total Dissolved Solids	498	mg/L	10.0	160.1	NA	25 AUG 92

ND = Not detected
NA = Not applicable

Reported By: Pam Rosas

Approved By: Steve Shurgot

Enseco
A Corning Company

General Inorganics

Client Name: Northwest Pipeline Corporation
Client ID: WASTE OIL TANK CEDAR HILL
Lab ID: 024601-0002-SA
Matrix: WASTE Sampled: 18 AUG 92 Received: 19 AUG 92
Authorized: 19 AUG 92 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Ignitability	>160	deg. F	--	1010	NA	03 SEP 92 o
Total Organic Halogen as Cl	ND	mg/kg	3.0	9020	NA	15 SEP 92

Note o : This test is unreliable for any sample other than a non-aqueous liquid.

ND = Not detected
NA = Not applicable

Reported By: Leslie Gergurich Approved By: Steve Shurgot

Quality Control Report

The Enseco laboratories operate under a vigorous QA/QC program designed to ensure the generation of scientifically valid, legally defensible data by monitoring every aspect of laboratory operations. Routine QA/QC procedures include the use of approved methodologies, independent verification of analytical standards, use of Duplicate Control Samples to assess the precision and accuracy of the methodology on a routine basis, and a rigorous system of data review.

In addition, the Enseco laboratories maintain a comprehensive set of certifications from both state and federal governmental agencies which require frequent analyses of blind audit samples. Enseco-Rocky Mountain Analytical Laboratory is certified by the EPA under the EPA/CLP program for Organic analyses, under the USATHAMA (U.S. Army) program, by the Army Corps of Engineers, and the states of Colorado, New Jersey, Utah, and Florida, among others.

The standard laboratory QC package is designed to:

1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data

2) assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix

3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench, and

4) provide a standard set of reportables which assures the client of the quality of his data.

The Enseco QC program is based upon monitoring the precision and accuracy of an analytical method by analyzing a set of Duplicate Control Samples (DCS) at frequent, well-defined intervals. Each DCS is a well-characterized matrix which is spiked with target compounds at 5-100 times the reporting limit, depending upon the methodology being monitored. The purpose of the DCS is not to duplicate the sample matrix, but rather to provide an interference-free, homogeneous matrix from which to gather data to establish control limits. These limits are used to determine whether data generated by the laboratory on any given day is in control.

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/- 3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. These control limits are fairly narrow based on the consistency of the matrix being monitored and are updated on a quarterly basis.

For each batch of samples analyzed, an additional control measure is taken in the form of a Single Control Sample (SCS). The SCS consists of a control matrix that is spiked with either representative target compounds or surrogate compounds appropriate to the method being used. An SCS is prepared for each sample lot for which the DCS pair are not analyzed.

Accuracy for DCS and SCS is measured by Percent Recovery.

$$\% \text{ Recovery} = \frac{\text{Measured Concentration}}{\text{Actual Concentration}} \times 100$$

Precision for DCS is measured by Relative Percent Difference (RPD).

$$\text{RPD} = \frac{\left| \text{Measured Concentration DCS1} - \text{Measured Concentration DCS2} \right|}{(\text{Measured Concentration DCS1} + \text{Measured Concentration DCS2})/2} \times 100$$

All samples analyzed concurrently by the same test are assigned the same QC lot number. Projects which contain numerous samples, analyzed over several days, may have multiple QC lot numbers associated with each test. The QC information which follows includes a listing of the QC lot numbers associated with each of the samples reported, DCS and SCS (where applicable) recoveries from the QC lots associated with the samples, and control limits for these lots. The QC data is reported by test code, in the order that the tests are reported in the analytical results section of this report.

Enseco
A Corning Company

QC LOT ASSIGNMENT REPORT
Organics by Chromatography

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
024601-0001-SA	AQUEOUS	602-A	18 AUG 92-1H	22 AUG 92-1H
024601-0003-TB	AQUEOUS	602-A	18 AUG 92-1H	24 AUG 92-1H

Enseco
A Corning Company

DUPLICATE CONTROL SAMPLE REPORT
Organics by Chromatography

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precisi (RPD) DCS Lir
Category: 602-A Matrix: AQUEOUS QC Lot: 18 AUG 92-1H Concentration Units: ug/L							
Benzene	5.0	5.28	5.29	5.28	106	72-112	0.2
Toluene	5.0	4.99	5.01	5.00	100	74-109	0.4
Ethylbenzene	5.0	4.85	4.89	4.87	97	76-105	0.8
Xylenes (total)	5.0	4.82	4.88	4.85	97	74-111	1.2
1,3-Dichlorobenzene	5.0	4.83	4.94	4.88	98	72-121	2.3

Calculations are performed before rounding to avoid round-off errors in calculated result

Enseco
A Comine Company

SINGLE CONTROL SAMPLE REPORT
Organics by Chromatography

Analyte	Concentration Spiked	Measured	Accuracy(%) SCS	Limits
Category: 602-A Matrix: AQUEOUS QC Lot: 18 AUG 92-1H QC Run: 22 AUG 92-1H Concentration Units: ug/L				
a,a,a-Trifluorotoluene	30.0	31.2	104	90-113
Category: 602-A Matrix: AQUEOUS QC Lot: 18 AUG 92-1H QC Run: 24 AUG 92-1H Concentration Units: ug/L				
a,a,a-Trifluorotoluene	30.0	30.9	103	90-113

Calculations are performed before rounding to avoid round-off errors in calculated result

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METHOD BLANK REPORT
Organics by Chromatography

Analyte	Result	Units	Reporting Limit
Test: 8020-BTEX-AP			
Matrix: AQUEOUS			
QC Lot: 18 AUG 92-1H QC Run: 22 AUG 92-1H			
Benzene	ND	ug/L	0.50
Toluene	ND	ug/L	0.50
Ethylbenzene	ND	ug/L	0.50
Xylenes (total)	ND	ug/L	0.50
Test: 8020-BTEX-AP			
Matrix: AQUEOUS			
QC Lot: 18 AUG 92-1H QC Run: 24 AUG 92-1H			
Benzene	ND	ug/L	0.50
Toluene	ND	ug/L	0.50
Ethylbenzene	ND	ug/L	0.50
Xylenes (total)	ND	ug/L	0.50

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QC LOT ASSIGNMENT REPORT
Metals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
024601-0001-SA	AQUEOUS	ICP-AT	10 SEP 92-1A	10 SEP 92-1A
024601-0001-SA	AQUEOUS	AS-FAA-AT	10 SEP 92-1A	10 SEP 92-1A
024601-0001-SA	AQUEOUS	PB-FAA-AT	10 SEP 92-1A	10 SEP 92-1A
024601-0001-SA	AQUEOUS	HG-CVAA-AT	13 SEP 92-1A	13 SEP 92-1A
024601-0002-SA	SOIL	AS-FAA-S	11 SEP 92-1A	11 SEP 92-1A
024601-0002-SA	SOIL	ICP-S	14 SEP 92-1R	14 SEP 92-1R
024601-0002-SA	SOIL	PB-FAA-S	14 SEP 92-1R	14 SEP 92-1R

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DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Limits	Precisi (RPD) DCS Lin
Category: ICP-AT Matrix: AQUEOUS QC Lot: 10 SEP 92-1A Concentration Units: mg/L							
Aluminum	2.0	2.03	2.04	2.03	102	75-125	0.2
Antimony	0.5	0.510	0.499	0.505	101	75-125	2.2
Arsenic	0.5	0.480	0.453	0.467	93	75-125	5.7
Barium	2.0	1.92	1.93	1.92	96	75-125	0.4
Beryllium	0.05	0.0500	0.0497	0.0498	100	75-125	0.6
Cadmium	0.05	0.0468	0.0442	0.0455	91	75-125	5.7
Calcium	100	103	102	103	103	75-125	1.0
Chromium	0.2	0.190	0.195	0.192	96	75-125	2.6
Cobalt	0.5	0.471	0.467	0.469	94	75-125	0.9
Copper	0.25	0.281	0.269	0.275	110	75-125	4.4
Iron	1.0	1.01	1.00	1.01	101	75-125	1.0
Lead	0.5	0.472	0.475	0.473	95	75-125	0.7
Magnesium	50	51.1	50.6	50.8	102	75-125	1.0
Manganese	0.5	0.489	0.477	0.483	97	75-125	2.5
Nickel	0.5	0.483	0.478	0.480	96	75-125	1.1
Potassium	50	52.5	51.9	52.2	104	75-125	1.2
Silver	0.05	0.0488	0.0477	0.0483	97	75-125	2.2
Sodium	100	110	109	109	109	75-125	1.6
Vanadium	0.5	0.495	0.497	0.496	99	75-125	0.4
Zinc	0.5	0.496	0.489	0.492	98	75-125	1.6
Category: AS-FAA-AT Matrix: AQUEOUS QC Lot: 10 SEP 92-1A Concentration Units: mg/L							
Arsenic	0.03	0.0329	0.0348	0.0338	113	75-125	5.6
Category: PB-FAA-AT Matrix: AQUEOUS QC Lot: 10 SEP 92-1A Concentration Units: mg/L							
Lead	0.03	0.0349	0.0313	0.0331	110	75-125	11

Calculations are performed before rounding to avoid round-off errors in calculated resul

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DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Limits	Precisic (RPD) DCS Limi
Category: HG-CVAA-AT Matrix: AQUEOUS QC Lot: 13 SEP 92-1A Concentration Units: mg/L							
Mercury	0.0010	0.000967	0.00100	0.000983	98	75-125	3.4
Category: AS-FAA-S Matrix: SOIL QC Lot: 11 SEP 92-1A Concentration Units: mg/kg							
Arsenic	145	102	104	103	71	59-141	1.0
Category: ICP-S Matrix: SOIL QC Lot: 14 SEP 92-1R Concentration Units: mg/kg							
Aluminum	10700	6840	7480	7160	67	47-153	8.8
Antimony	55.2	54.8	57.4	56.1	102	18-362	4.6
Arsenic	145	128	135	131	91	59-141	4.9
Barium	503	435	459	447	89	76-124	5.5
Beryllium	129	118	124	121	94	53-131	4.9
Cadmium	154	140	147	144	93	68-132	4.6
Calcium	7390	6600	6960	6780	92	79-121	5.4
Chromium	151	127	136	132	87	66-133	6.9
Cobalt	122	110	116	113	93	70-130	5.4
Copper	162	156	165	161	99	70-132	5.4
Iron	15400	12400	13400	12900	84	66-134	7.2
Lead	148	129	139	134	90	66-135	6.9
Magnesium	3740	3250	3480	3360	90	74-126	7.0
Manganese	423	376	397	387	91	74-125	5.5
Molybdenum	159	145	152	148	93	71-129	5.1
Nickel	166	154	162	158	95	67-133	5.1
Potassium	4050	3530	3770	3650	90	68-132	6.6
Silver	104	98.2	106	102	98	76-124	7.6
Sodium	747	717	766	741	99	57-130	6.6
Vanadium	154	135	142	138	90	73-127	5.2
Zinc	530	478	504	491	93	65-135	5.3

Calculations are performed before rounding to avoid round-off errors in calculated resul

DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Limits	Precis (RPD) DCS Lir
Category: PB-FAA-S Matrix: SOIL QC Lot: 14 SEP 92-1R Concentration Units: mg/kg							
Lead	150	132	148	140	93	50-150	11

Calculations are performed before rounding to avoid round-off errors in calculated result

METHOD BLANK REPORT
Metals Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: ICP-AT			
Matrix: AQUEOUS			
QC Lot: 10 SEP 92-1A QC Run: 10 SEP 92-1A			
Barium	ND	mg/L	0.010
Cadmium	0.0099	mg/L	0.0050
Chromium	ND	mg/L	0.010
Test: AS-FAA-AT			
Matrix: AQUEOUS			
QC Lot: 10 SEP 92-1A QC Run: 10 SEP 92-1A			
Arsenic	ND	mg/L	0.0050
Test: PB-FAA-AT			
Matrix: AQUEOUS			
QC Lot: 10 SEP 92-1A QC Run: 10 SEP 92-1A			
Lead	ND	mg/L	0.0050
Test: HG-CVAA-AT			
Matrix: AQUEOUS			
QC Lot: 13 SEP 92-1A QC Run: 13 SEP 92-1A			
Mercury	ND	mg/L	0.00020
Test: AS-FAA-W			
Matrix: WASTE			
QC Lot: 11 SEP 92-1A QC Run: 11 SEP 92-1A			
Arsenic	ND	mg/kg	0.50
Test: ICP-W			
Matrix: WASTE			
QC Lot: 14 SEP 92-1R QC Run: 14 SEP 92-1R			
Cadmium	ND	mg/kg	0.50
Chromium	ND	mg/kg	1.0

METHOD BLANK REPORT
Metals Analysis and Preparation (cont.)

Analyte	Result	Units	Reporting Limit
Test: PB-FAA-W			
Matrix: WASTE			
QC Lot: 14 SEP 92-1R QC Run: 14 SEP 92-1R			
Lead	ND	mg/kg	0.50

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QC LOT ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
024601-0001-SA	AQUEOUS	PH-A	19 AUG 92-1G	-
024601-0001-SA	AQUEOUS	TDS-A	25 AUG 92-1A	25 AUG 92-1A
024601-0001-SA	AQUEOUS	TOX-A	10 SEP 92-1A	-
024601-0002-SA	SOIL	TOX-S	15 SEP 92-1A	-

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DUPLICATE CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Limits	Precisio (RPD) DCS Limi
Category: PH-A Matrix: AQUEOUS QC Lot: 19 AUG 92-1G Concentration Units: units							
pH	9.1	9.04	9.05	9.04	99	98-102	0.1
Category: TDS-A Matrix: AQUEOUS QC Lot: 25 AUG 92-1A Concentration Units: mg/L							
Total Dissolved Solids	1170	1150	1130	1140	97	90-110	1.8
Category: TOX-A Matrix: AQUEOUS QC Lot: 10 SEP 92-1A Concentration Units: ug Cl/L							
Total Organic Halogen as Cl	100	90.0	90.6	90.3	90	80-120	0.7
Category: TOX-S Matrix: SOIL QC Lot: 15 SEP 92-1A Concentration Units: mg/kg							
Total Organic Halogen as Cl	1.0	0.955	1.05	1.00	100	75-125	9.5

Calculations are performed before rounding to avoid round-off errors in calculated result:

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METHOD BLANK REPORT
Wet Chemistry Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: TDS-BAL-A Matrix: AQUEOUS QC Lot: 25 AUG 92-1A QC Run: 25 AUG 92-1A			
Total Dissolved Solids	ND	mg/L	10.0

Appendix

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Rocky Mountain Analytical Laboratory
4955 Yarrow Street
Arvada, CO 80002
303/421-6611 FAX: 303/431-7171

CHAIN OF CUSTODY

ENSECO CLIENT

PROJECT

SAMPLING COMPANY

SAMPLING SITE

TEAM LEADER

SAMPLE SAFE™ CONDITIONS

PACKED BY

SEAL NUMBER

SEAL INTACT UPON RECEIPT BY SAMPLING COMPANY

CONDITION OF CONTENTS

SEALED FOR SHIPPING BY

INITIAL CONTENTS TEMP °C

SEAL NUMBER

SAMPLING STATUS ☐ Done ☐ Continuing Until

SEAL INTACT UPON RECEIPT BY LAB ☐ Yes ☐ No

CONTENTS TEMPERATURE UPON RECEIPT BY LAB JM °C

DATE	TIME	SAMPLE ID/DESCRIPTION	SAMPLE TYPE	# CONTAINERS	ANALYSIS PARAMETERS	REMARKS
8-18-92	12:49	CEDAR HILL CDP WASTE WATER TANK	LIQUID AQUEOUS	1	PH / TDS	01
8-18-92	12:50	" "	LIQUID AQUEOUS	1	PH / TDS	02
8-18-92	12:45	" "	LIQUID ~~METALS~~	4T	METALS	01 01
8-18-92	12:47	" "	LIQUID ~~METALS~~	4T	METALS	02
8-18-92	12:40	" "	LIQUID	15	TOX - - SINGLE	01
8-18-92	12:40	" "	LIQUID	15	TOX - - SINGLE	02
8-18-92	11:30	WASTE OIL TANK CEDAR HILL	USED OIL			
8-18-92	11:45	WASTE OIL TANK CEDAR HILL	USED OIL			02
8-18-92	11:50	WASTE OIL TANK CEDAR HILL	USED OIL			
8-18-92	12:00	WASTE OIL TANK CEDAR HILL	USED OIL			

CUSTODY TRANSFERS PRIOR TO SHIPPING

RELINQUISHED BY (SIGNED)	RECEIVED BY (SIGNED)	DATE	TIME
Vernon [signature]	Frank [signature]	8/18/92	2:07

SHIPPING DETAILS

DELIVERED TO SHIPPER BY

METHOD OF SHIPMENT

AIRBILL NUMBER

RECEIVED FOR LAB PMM SIGNED [signature] DATE/TIME 0845 8/19/92

ENSECO PROJECT NUMBER 24601

Enseco
A Coming Company

Rocky Mountain Analytical Laboratory
4955 Yarrow Street
Arvada, CO 80002
303/421-6611 FAX: 303/431-7171

CHAIN OF CUSTODY

ENSECO CLIENT

PROJECT

SAMPLING COMPANY

SAMPLING SITE

TEAM LEADER

SAMPLE SAFE™ CONDITIONS

PACKED BY

SEAL INTACT UPON RECEIPT BY SAMPLING COMPANY

SEALED FOR SHIPPING BY

SEAL NUMBER

SEAL NUMBER

CONDITION OF CONTENTS

INITIAL CONTENTS TEMP. °C

SAMPLING STATUS ☐ Done ☐ Continuing Until

SEAL INTACT UPON RECEIPT BY LAB ☐ Yes ☐ No

CONTENTS TEMPERATURE UPON RECEIPT BY LAB °C

DATE	TIME	SAMPLE ID/DESCRIPTION	SAMPLE TYPE	# CONTAINERS	ANALYSIS PARAMETERS	REMARKS
8-18-92	12 51	CEDAR HILL COP WASTE WATER	LIQUIDS AQUEOUS	11	VOA	> 01
8-18-92	12:53	"	" LIQUIDS AQUEOUS	11	VOA	
8-18-92	12:55	"	" LIQUIDS AQUEOUS	11	VOA	

CUSTODY TRANSFERS PRIOR TO SHIPPING

RELINQUISHED BY (SIGNED)	RECEIVED BY (SIGNED)	DATE	TIME

SHIPPING DETAILS

DELIVERED TO SHIPPER BY

METHOD OF SHIPMENT

AIRBILL NUMBER

RECEIVED FOR LAB FINAL

SIGNED

DATE/TIME 0845 8/19/92

ENSECO PROJECT NUMBER 24601

APPENDIX B

SPILL CONTROL PROCEDURES

WILLIAMS FIELD SERVICES
ONE OF THE WILLIAMS COMPANIES

OPERATIONS

Manual	Department	
O & M Procedure		
Section: Safety/General	Tab: 10	Document No.: 21.10.020
Effective Date: JUL 31 1997	Issue No.: 2	Page No.: 1 of 8

Subject of Title
DISCHARGES OR SPILLS OF OIL OR HAZARDOUS SUBSTANCES; Preventing, Controlling and Reporting of

A. PURPOSE AND SCOPE

A.1 To establish the policy and procedure for preventing, controlling, and reporting of discharges or spills of oil or hazardous substances to the environment in accordance with Company practices and federal, state, and local requirements, including Title 40 of the Code of Federal Regulations - Part 112 (Oil Pollution Prevention).

A.2 This document pertains to Company personnel and Company and non-company facilities. The spill prevention and control requirements in this Policy and Procedure are Federally mandated guidelines for oil pollution prevention. The Company policy is to also apply these standards, where appropriate, to facilities containing hazardous substances. This is a discretionary application of the standards; however, variations from the standards should be approved by the responsible Director.

B. CONTENTS

C. POLICY

C.1 GENERAL

C.1.1 All Company facilities which could discharge or spill oil or hazardous substances which may affect natural resources or present an imminent and substantial danger to the public health or welfare including, but not limited to, fish, shellfish, wildlife, shorelines, and beaches are subject to the provisions of this document.

Supersedes Policy and Procedure 21.10.020 dated June 16, 1993

Approval (Page 1 Only)	Approval (Page 1 Only)	Approval (Page 1 Only)
E.C. England	K Myers	

C.1.2 **Oil**, for purpose of this document, means oil of any kind or in any form, including but not limited to petroleum hydrocarbon, fuel oil, Y grade, natural gas liquids, condensate, mixed products, sludge, oil refuse, and oil mixed with wastes other than dredged spoil (earth and rock). LPG (propane, butane, ethane) is not considered to be oil.

C.1.3 **Hazardous Substance**, for purposes of this procedure, is defined as any chemical or material that has or should have a Material Safety Data Sheet (MSDS); however, hazardous substances are further defined by the following environmental statutes:

a. Section 101(N) and Section 102 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

b. Section 307(a) and Section 311(b)(2)(A) of the Clean Water Act

c. Section 3001 of the Solid Waste Act (excluding items suspended by Congress)

d. Section 112 of the Clean Air Act

e. Section 7 of the Toxic Substance Control Act

C.1.4 The term hazardous substance does not include petroleum hydrocarbon, including crude oil or any fraction thereof, and the term does not include natural gas, natural gas liquids (including condensate), liquefied natural gas or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).

C.1.5 Facilities which could discharge or spill oil or hazardous substances into a watercourse must comply with the applicable federal, state, or local laws and regulations. A discharge includes but is not limited to any spilling, leaking, pumping, pouring, emitting, emptying, or dumping. A watercourse is any perennial or intermittent river, stream, gully, wash, lake, or standing body of water capable of collecting or transporting an oil or hazardous substance.

C.1.6 Facilities which are subject to the requirements stated in this policy are as follows:

a. <u>Non-Transportation Related Facilities</u>

(1) Storage or drip tanks and other aboveground containers (excluding pressurized or inline process vessels) having a capacity in excess of 660 gallons for each single container or an aggregate capacity of 1,321 gallons or more for multiple containers.

(2) Underground storage facilities having a total capacity in excess of 42,000 gallons.

b. Transportation Related Facilities

(1) All vehicles, pipeline facilities, loading/unloading facilities, and other mobile facilities which transport oil or hazardous substances.

C.1.7 Each Company location which has facilities subject to paragraph C.1.1 shall have a site specific Spill Prevention Control and Countermeasure Plan (SPCC Plan) which identifies all facilities subject to 40 CFR 112. The plan shall identify all hazardous substance storage vessels (as defined in a.(1) above) at the facility and the spill prevention measures in place to control discharges or spills. This plan shall also identify all regulatory agencies that must be notified in case of a spill.

C.1.8 The facility superintendent is responsible for spill prevention. His/her duties include, but are not limited to, the following:

a. Instructing personnel in the operation and maintenance of equipment to prevent the discharge of oil.

b. Conduct annual briefings for operating personnel at intervals frequent enough to assure adequate understanding of the Spill Plan at that facility.

c. Briefings should highlight and describe known discharges or spills, and recently developed precautionary measures.

C.1.9 Each individual facility is checked annually by the superintendent or designee to determine the potential for discharges or spills of oil or hazardous substances in harmful quantities that violate water quality standards or which may cause a film, sheen, or discoloration on the surface of water. All facilities which have the potential for discharging or spilling harmful quantities of oil or hazardous substances into a watercourse are required to have the following preventive measures:

a. Examination of all tanks, valves and fittings, at least annually, to determine any maintenance requirements.

b. All tank batteries should, as far as practicable, have a secondary means of containment for the entire contents of the largest single tank plus sufficient freeboard in the containment facility to allow for precipitation.

c. An annual monitoring and inspection program to prevent accidental spills or discharges into watercourses. This includes annual inspection for faulty systems and monitoring line valves and liquid pipelines for leaks or blowouts.

C.1.10 Any field drainage ditches, road ditches, traps, sumps, or skimmers should be inspected at regular scheduled intervals for accumulation of oil or other hazardous substances which may have escaped from small leaks. Any such accumulations should be removed.

C.2 BULK STORAGE TANKS

C.2.1 A tank should not be used for storage of oil or hazardous substances unless the material and construction of the tank is compatible with the oil or substance stored and conditions of storage such as pressure and temperature. Buried storage tanks must be protected from corrosion by coatings, cathodic protection, or other methods compatible with local soil conditions. Aboveground tanks should be subject to visual inspection for system integrity.

C.2.2 The facility superintendent should evaluate tank level monitoring requirements to prevent tank overflow.

C.2.3 Leaks which result in loss of oil or hazardous substances from tank seams, gaskets, rivets and bolts sufficiently large to cause accumulation of oil or hazardous substances in diked areas should be promptly corrected.

C.2.4 Mobile or portable oil or hazardous substances storage tanks should be positioned or located to prevent the contents from reaching a watercourse. The mobile facilities should be located so their support structure will not be undermined by periodic flooding or washout.

C.3 FACILITY DRAINAGE

C.3.1 Make provisions for drainage from diked storage areas where necessary in areas with high precipitation levels. Drainage from diked areas should be restrained by valves or other means to prevent a discharge or spill. Diked areas should be emptied by pumps or ejectors which are manually activated. Valves used for the drainage of diked areas should be of manual, open-and-closed design.

C.3.2 Rain water may be drained from diked areas providing drainage water does not contain oil or hazardous substances that may cause a harmful discharge. Drain valves must be closed following drainage of diked areas.

C.3.3 When possible, drainage systems from undiked areas should flow into ponds, lagoons, or catchment basins designed to retain oil or hazardous substances or return the substances to the facility. Any drainage system which is not designed to allow flow into ponds, lagoons, or catchment basins should be equipped with a diversion system that could, in the event of a discharge or spill, contain the oil or hazardous substances on the Site.

C.3.4 The principal means of containing discharges or spills is the use of dikes which are constructed wherever regulated quantities of oil or hazardous substances have the potential of reaching a watercourse. The construction of dikes must meet the following requirements:

a. Capacity must be at least equivalent to the storage capacity of the largest tank of the battery plus sufficient freeboard to allow for precipitation, or displacement by foreign materials.
b. Small dikes for temporary containment are constructed at valves where potential leaking of oil or hazardous substances may occur.
c. Any dike three feet or higher should have a minimum cross section of two feet at the top.

C.3.5 Other means of containment or spill control include, but are not limited to:

a. Berms or retaining walls;
b. Curbing;
c. Culverting, gutters, or other drainage systems;
d. Weirs, booms, or other barriers;
e. Spill diversion ponds or retention ponds;
f. Sorbent materials

C.4 TRANSFER OPERATIONS, PUMPING, AND IN-PLANT/STATION PROCESS

C.4.1 Aboveground valves and pipelines should be examined regularly by operating personnel to determine whether there are any leaks from flange joints, expansion joints, valve glands and bodies, catch pans, pipeline supports, valve locks, and metal surfaces.

C.5 FACILITY TANK CAR AND TANK TRUCK LOADING/UNLOADING RACK

C.5.1 Rack area drainage which does not flow into a catchment basin or treatment facility designed to handle spills should have a quick drainage system for use in tank truck loading and unloading areas. The containment system should have a maximum capacity of any single compartment of a truck loaded or unloaded in the station.

C.5.2 Aboveground piping that has potential for damage by vehicles entering the Site should be protected by logically placed warning signs or by concrete-filled pipe barriers.

C.5.3 Loading and unloading areas should be provided with an interlocked warning light, grounding shutdown, physical barrier system, or warning signs to prevent vehicular departure before complete disconnect of flexible or fixed transfer lines. All drains and outlets of any truck should be closely examined for leakage prior to filling and departure. All drains and outlets which may allow leakage should be tightened, adjusted, or replaced to prevent liquid leakage while in transit.

NOTE: LPG loading facilities and remote field loading of condensate are exempt from the C.5 requirements of this document.

D. **PROCEDURE**

D.1 Identifying, Containing and Initial Reporting of a Discharge or Spill of Oil or Hazardous Substance

Any Employee

D.1.1 Upon noticing a discharge or spill of an oil or hazardous substance in any quantity initiates immediate containment procedures and notifies facility superintendent.

NOTE: Refer to Attachment A for containment procedures.

Facility Superintendent

D.1.2 Contacts Gas Control and responsible Director immediately by telephone and provides the following information:

a. Name of company facility and/or location of facility and nature of discharge or spill
b. Description and quantity of emission or substance discharged
c. Description of the circumstances causing the discharge or spill
d. Name, title, and telephone number of person initially reporting the discharge or spill and person reporting to Gas Control
e. Action taken or being taken to mitigate and correct discharge or spill
f. Water bodies or streams involved
g. Time and duration of discharge or spill
h. Outside involvement during discharge or spill (public government agencies, etc. See Emergency Operating Procedure Manuals)

Gas Control Personnel

D.1.3 Advises Environmental Affairs departments immediately by telephone concerning the incident including any incidents reported by persons not employed with the Company.

NOTE: If Gas Control is contacted by a person not employed with the Company, the necessary information is obtained as indicated in D.1.2 and the Superintendent and Environmental Affairs are immediately contacted to begin containment and clean-up of the discharge or spill.

D.1.4 If Environmental Affairs cannot be contacted, notifies Director over Environmental Affairs.

Facility Superintendent

D.1.5 Coordinates containment and clean-up of discharge or spill, keeping the responsible Director Informed.

D.1.6 If the discharge or spill is too large for Company personnel to contain, contacts qualified local contractors for assistance. (See Emergency Operating Procedure Manuals tab #11, contractors with available equipment and services).

D.1.7 Advises Environmental Affairs by telephone if emergency containment or clean-up assistance from a state agency or a response team from the U.S. Coast Guard is required.

Environmental Affairs

D.1.8 Assesses reporting requirements to state and federal agencies (contacts Legal Department and Right-of-Way Department, if appropriate). (See Emergency Operating Procedure Manuals).

D.1.9 Makes appropriate contacts with National Response Center and state and local agencies, when necessary.

D.1.10 If spill is significant, dispatches Environmental Specialist to scene to oversee cleanup and reporting responsibilities.

D.2 SUBMITTING WRITTEN NOTIFICATION OF A DISCHARGE OR SPILL

Facility Superintendent

D.2.1 Completes a written description of the incident as soon as possible after initial notification is given, which should include the following:

a. Time and date of discharge or spill
b. Facility name and location
c. Type of material spilled
d. Quantity of material spilled
e. Area affected
f. Cause of spill
g. Special circumstances
h. Corrective measures taken
i. Description of repairs made
j. Preventative measures taken to prevent recurrence.

D.2.2 Forwards the completed written description to Environmental Affairs. Retains a copy for future reference.

NOTE: Environmental Affairs, in coordination with the Legal Department, if necessary, submits written reports to government agencies.

ATTACHMENT A

DISCHARGE OR SPILL CONTAINMENT PROCEDURES AND MATERIALS

TYPE OF FACILITY WHERE THE DISCHARGE OR SPILL OCCURS	CONTAINMENT PROCEDURES	MATERIALS USED FOR CONTAINMENT
A. Oil Pipeline (as defined in C.1.4)	1. Closes appropriate block valves. 2. Contains Discharge or spill by: Ditching covering, applying sorbents, constructing an earthen dam, or burning. 3. If burning is required, obtains approval from the appropriate state air quality control government agencies before burning.	1.Straw 2.Loose Earth 3.Oil Sorbent 3M Brand 4.Plain Wood chips 5.Sorb-Oil Chips Banta Co. 6.Sorb-Oil Swabs Banta Co. 7.Sorb-Oil Mats Banta Co. 8.Or Equivalent Materials
B. Vehicle	1. Contains discharge or spill by: ditching, covering surface with dirt, constructing earthen dams, apply sorbents, or burning. 2. Notifies immediately the Safety and Environmental Department and if there is any imminent danger to local residents; notifies immediately the highway patrol or local police officials. 3. If burning is required, obtains approval from the appropriate state air quality control government agencies before burning. Note: Any vehicle carrying any hazardous or toxic substance will carry a shovel or other ditching device to contain a spill. If the vehicle has sufficient room, sorbent materials should also be carried.	
C. Bulk Storage Tanks or any other Facilities	1. Contains discharge or spill by: ditching, covering, applying sorbents, constructing an earthen dam, or burning. 2. If burning is required, obtains approval from the appropriate state air quality control government agencies before burning.	

APPENDIX C

NMOCD NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 South First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

State of New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C- 1
Originated 2/1

Submit 2 copi
Appropriate Dis
Office in accord
with Rule 11
back side of

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☐ Final Re

Name	Contact
Address	Telephone No.
Facility Name	Facility Type

Surface Owner	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? ☐ Yes ☐ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☐ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was impacted, Describe Fully. (Attach Additional Sheets If Necessary)

Describe Cause of Problem and Remedial Action Taken. (Attach Additional Sheets If Necessary)

Describe Area Affected and Cleanup Action Taken. (Attach Additional Sheets If Necessary)

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all oper are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The accepta a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediat contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION
Printed Name:	Approved by District Supervisor:
Title:	Approval Date: / Expiration Date:
Date: / Phone:	Conditions of Approval: / Attached ☐

116 RELEASE NOTIFICATION AND CORRECTIVE ACTION [1-1-50...2-1-96; A, 3-15-97]

116.A. NOTIFICATION

(1) The Division shall be notified of any unauthorized release occurring during the drilling, producing, storing, disposing, injecting, transporting, servicing or processing of crude oil, natural gases, produced water, condensate or oil field waste including Regulated NORM, or other oil field related chemicals, contaminants or mixture thereof, in the State of New Mexico in accordance with the requirements of this Rule. [1-1-50...2-1-96; A, 3-15-97]

(2) The Division shall be notified in accordance with this Rule with respect to any release from any facility of oil or other water contaminant, in such quantity as may with reasonable probability be detrimental to water or cause an exceedance of the standards in 19 NMAC 15.A.19. B(1), B(2) or B(3). [3-15-97]

116.B. REPORTING REQUIREMENTS: Notification of the above releases shall be made by the person operating or controlling either the release or the location of the release in accordance with the following requirements: [5-22-73...2-1-96; A, 3-15-97]

(1) A **Major Release** shall be reported by giving **both** immediate verbal notice and timely written notice pursuant to Paragraphs C(1) and C(2) of this Rule. A Major Release is:

(a) an unauthorized release of a volume, excluding natural gases, in excess of 25 barrels;

(b) an unauthorized release of any volume which:

(i) results in a fire;

(ii) will reach a water course;

(iii) may with reasonable probability endanger public health; or

(iv) results in substantial damage to property or the environment;

(c) an unauthorized release of natural gases in excess of 500 mcf; or

(d) a release of any volume which may with reasonable probability be detrimental to water or cause an exceedance of the standards in 19 NMAC 15.A.19. B(1), B(2) or B(3). [3/15/97]

(2) A **Minor Release** shall be reported by giving timely written notice pursuant to Paragraph C(2) of this Rule. A Minor Release is an unauthorized release of a volume, greater than 5 barrels but not more than 25 barrels; or greater than 50 mcf but less than 500 mcf of natural gases. [3-15-97]

116.C. CONTENTS OF NOTIFICATION

(1) **Immediate verbal notification** required pursuant to Paragraph B shall be reported within twenty-four (24) hours of discovery to the Division District Office for the area within which the release takes place. In addition, **immediate verbal notification** pursuant to Subparagraph B.(1).(d). shall be reported to the Division's Environmental Bureau Chief. This notification shall provide the information required on Division Form C-141. [5-22-73...2-1-96; A, 3-15-97]

(2) **Timely written notification** is required to be reported pursuant to Paragraph B within fifteen (15) days to the Division District Office for the area within which the release takes place by completing and filing Division Form C-141. In addition, timely written notification required pursuant to Subparagraph B.(1).(d). shall also be reported to the Division's Environmental Bureau Chief within fifteen (15) days after the release is discovered. The written notification shall verify the prior verbal notification and provide any appropriate additions or corrections to the information contained in the prior verbal notification. [5-22-73...2-1-96; A, 3-15-97]

116.D. CORRECTIVE ACTION: The responsible person must complete Division approved corrective action for releases which endanger public health or the environment. Releases will be addressed in accordance with a remediation plan submitted to and approved by the Division or with an abatement plan submitted in accordance with Rule 19 (19 NMAC 15.A.19). [3-15-97]

B. Plans, specifications and reports required by this Section, if related to facilities for the production, refinement and pipeline transmission of oil and gas, or products thereof, shall be filed instead with the Oil Conservation Division. [1-4-68, 12-1-95]

C. Plans and specifications required to be filed under this Section must be filed prior to the commencement of construction. [9-3-72]

1203. NOTIFICATION OF DISCHARGE--REMOVAL.

A. With respect to any discharge from any facility of oil or other water contaminant, in such quantity as may with reasonable probability injure or be detrimental to human health, animal or plant life, or property, or unreasonably interfere with the public welfare or the use of property, the following notifications and corrective actions are required: [2-17-74, 12-24-87]

1. As soon as possible after learning of such a discharge, but in no event more than twenty-four (24) hours thereafter, any person in charge of the facility shall orally notify the Chief of the Ground Water Protection and Remediation Bureau of the department, or his counterpart in any constituent agency delegated responsibility for enforcement of these rules as to any facility subject to such delegation. To the best of that person's knowledge, the following items of information shall be provided:

a. the name, address, and telephone number of the person or persons in charge of the facility, as well as of the owner and/or operator of the facility;

b. the name and address of the facility;

c. the date, time, location, and duration of the discharge;

d. the source and cause of discharge;

e. a description of the discharge, including its chemical composition;

f. the estimated volume of the discharge; and

g. any actions taken to mitigate immediate damage from the discharge.
[2-17-74, 2-20-81, 12-24-87, 12-1-95]

2. When in doubt as to which agency to notify, the

person in charge of the facility shall notify the Chief of the Ground Water Protection and Remediation Bureau of the department. If that department does not have authority pursuant to commission delegation, the department shall notify the appropriate constituent agency. [12-24-87, 12-1-95]

3. Within one week after the discharger has learned of the discharge, the facility owner and/or operator shall send written notification to the same department official, verifying the prior oral notification as to each of the foregoing items and providing any appropriate additions or corrections to the information contained in the prior oral notification. [12-24-87]

4. The oral and written notification and reporting requirements contained in this Subsection A are not intended to be duplicative of discharge notification and reporting requirements promulgated by the Oil Conservation Commission (OCC) or by the Oil Conservation Division (OCD); therefore, any facility which is subject to OCC or OCD discharge notification and reporting requirements need not additionally comply with the notification and reporting requirements herein. [2-17-74, 12-24-87]

5. As soon as possible after learning of such a discharge, the owner/operator of the facility shall take such corrective actions as are necessary or appropriate to contain and remove or mitigate the damage caused by the discharge. [2-17-74, 12-24-87]

6. If it is possible to do so without unduly delaying needed corrective actions, the facility owner/operator shall endeavor to contact and consult with the Chief of the Ground Water Protection and Remediation Bureau of the department or appropriate counterpart in a delegated agency, in an effort to determine the department's views as to what further corrective actions may be necessary or appropriate to the discharge in question. In any event, no later than fifteen (15) days after the discharger learns of the discharge, the facility owner/operator shall send to said Bureau Chief a written report describing any corrective actions taken and/or to be taken relative to the discharge. Upon a written request and for good cause shown, the Bureau Chief may extend the time limit beyond fifteen (15) days. [12-24-87, 12-1-95]

7. The Bureau Chief shall approve or disapprove in writing the foregoing corrective action report within thirty (30) days of its receipt by the department. In the event that the report is not satisfactory to the department, the Bureau Chief shall specify in writing to the facility owner/operator any shortcomings in the report or in the corrective actions already taken or proposed to be taken relative to the discharge, and shall give the facility owner/operator a reasonable and clearly specified

time within which to submit a modified corrective action report. The Bureau Chief shall approve or disapprove in writing the modified corrective action report within fifteen (15) days of its receipt by the department. [12-24-87]

8. In the event that the modified corrective action report also is unsatisfactory to the department, the facility owner/operator has five (5) days from the notification by the Bureau Chief that it is unsatisfactory to appeal to the department secretary. The department secretary shall approve or disapprove the modified corrective action report within five (5) days of receipt of the appeal from the Bureau Chief's decision. In the absence of either corrective action consistent with the approved corrective action report or with the decision of the secretary concerning the shortcomings of the modified corrective action report, the department may take whatever enforcement or legal action it deems necessary or appropriate. [12-24-87, 12-1-95]

9. If the secretary determines that the discharge causes or may with reasonable probability cause water pollution in excess of the standards and requirements of Section 4103 of this Part, and the water pollution will not be abated within one hundred and eighty (180) days after notice is required to be given pursuant to Section 1203.A.1 of this Part, the secretary may notify the facility owner/operator that he is a responsible person and that an abatement plan may be required pursuant to Sections 4104 and 4106.A of this Part. [12-1-95]

B. Exempt from the requirements of this Section are continuous or periodic discharges which are made: [2-17-74]

1. in conformance with regulations of the commission and rules, regulations or orders of other state or federal agencies; or [2-17-74]

2. in violation of regulations of the commission, but pursuant to an assurance of discontinuance or schedule of compliance approved by the commission or one of its duly authorized constituent agencies. [2-17-74]

C. As used in this Section and in Sections 4100 through 4115, but not in other Sections of this Part: [2-17-74, 12-1-95]

1. "discharge" means spilling, leaking, pumping, pouring, emitting, emptying, or dumping into water or in a location and manner where there is a reasonable probability that the discharged substance will reach surface or subsurface water; [2-17-74]

2. "facility" means any structure, installation, operation, storage tank, transmission line, motor vehicle, rolling

stock, or activity of any kind, whether stationary or mobile; [2-17-74]

3. "oil" means oil of any kind or in any form including petroleum, fuel oil, sludge, oil refuse and oil mixed with wastes; [2-17-74]

4. "operator" means the person or persons responsible for the overall operations of a facility; and [12-24-87]

5. "owner" means the person or persons who own a facility, or part of a facility. [12-24-87]

D. Notification of discharge received pursuant to this Part or information obtained by the exploitation of such notification shall not be used against any such person in any criminal case, except for perjury or for giving a false statement. [2-17-74]

E. Any person who has any information relating to any discharge from any facility of oil or other water contaminant, in such quantity as may with reasonable probability injure or be detrimental to human health, animal or plant life, or property, or unreasonably interfere with the public welfare or the use of property, is urged to notify the Chief of the Ground Water Protection and Remediation Bureau of the department. Upon such notification, the secretary may require an owner/operator or a responsible person to perform corrective actions pursuant to Sections 1203.A.5 or 1203.A.9 of this Part. [12-1-95]

[1204-1209] Reserved

1210. VARIANCE PETITIONS.

A. Any person seeking a variance pursuant to Section 74-6-4 (G) NMSA 1978, shall do so by filing a written petition with the commission. The petitioner may submit with his petition any relevant documents or material which the petitioner believes would support his petition. Petitions shall: [7-19-68, 11-27-70, 9-3-72]

1. state the petitioner's name and address; [7-19-68, 11-27-70]

2. state the date of the petition; [7-19-68]

3. describe the facility or activity for which the variance is sought; [7-19-68, 11-27-70]

4. state the address or description of the property upon which the facility is located; [11-27-70]